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Wholesale Catalog for Florists

Spring-Fall 1948



FIELD OF CROFT LILIES GROWN FOR US

*Bulbs, Seeds, Plants,
Cuttings and Supplies*



Roman J. Irwin, Inc.
38 West 27th Street
New York 1, N. Y.
Telephone
MUrray Hill 4-2444



General Wholesale Catalog 1948

PLANTS and CUTTINGS • BULBS • SEEDS *Insecticides • Fertilizers • Supplies*

IN PRESENTING

you this copy of our new catalog for 1948 I wish to thank all my friends in the trade for their business in the past and trust it will continue throughout the years.

ROMAN J. IRWIN

SATISFACTION GUARANTEED

We are located in the heart of the New York Cut Flower Market. We have nine men on the road traveling extensively in nearly all sections of the country. Our position, for over 30 years, has been one of daily contact with the grower and his needs.

This catalog, we believe, is full evidence in itself of our long established plan to render a complete service to the grower in a full line of **Seeds, Bulbs, Plants, Cuttings, Insecticides, Fertilizers**, etc. At all times we invite inquiries as to prices and all other information.

DISCLAIMER

All orders are received subject to each of the following conditions:

1. We make no warranty, express or implied, as to kind, description, quality or productiveness of any stock and we will not be responsible for crop.
2. We will not be responsible for any errors or omissions and in no event shall our liability for any claim of loss or damage due to any cause whatsoever be greater than the invoice value of the merchandise. This order, if accepted, is subject to pro-rata delivery if conditions in our sole judgment justify it, either on account of short crop, prior sale or for any other reason. We will not be responsible for delays, damages or loss in transit. Our liability ceases upon delivery to the common carrier. All orders subject to acceptance by home office.

PLANTING TABLE FOR COLD STORAGE LILIUM GIGANTEUM AND FLOWERING DATES

Plant. Date	Flower. Date	Plant. Date	Flower. Date	Plant. Date	Flower. Date	Plant. Date	Flower. Date
Jan. 1	April 15 to 25	March 1	June 10 to 30	May 15	August 20	August 1	Nov. 1
Jan. 15	April 25 to May 5	March 15	July 1 to 10	June 1	Sept. 1	Sept. 1	Nov. 25
Feb. 1	May 15 to 30	April 1	July 15 to 30	June 15	Sept. 15	Sept. 15	Dec. 15 to 25
Feb. 15	June 1 to 10	April 15	August 1	July 1	Oct. 1	Oct. 1	Jan. 1 to 10
		May 1	August 10	July 15	Oct. 15		

If LILIUM SPECIOSUM RUBRUM or MAGNIFICUM are planted on the above dates it will take six to eight weeks longer to flower them than the Lilium Giganteum.

Lilium Rubrum or Magnificum should be planted June 15 to July 1 to flower for Christmas.

The above are all approximate flowering dates. If we have extremely warm weather they may flower a week earlier. It all depends on the weather conditions.

EASTER DATES

1948	March 28	1950	April 9
1949	April 17	1951	March 25

MOTHERS DAY

Always Second Sunday in May

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**ANTIRRHINUM (Snapdragons)****Winter Snapdragons For Greenhouse Culture**

High temperature prohibits germination of the seed and one must, therefore, select a cool location for the seed flats.

Damping off is a serious problem and all precautions should be taken to avoid it. The soil should be sterilized with steam or other efficient measures, and after the seed germinates good circulation of air and very little watering will help to prevent this trouble.

Pink and Rose

	Tr. Pkt.
BETTER TIMES	\$2.00
CHRISTMAS CHEER—Shades of pink	2.00
CHEVIOT MAID IMPROVED—Best deep rose	1.00
DELWORTH'S SUPREME—(New)—Selection of cheviot maid, deep rose	1.50
DORCAS JANE—(New)—Early light pink	2.50
GILBERT'S PINK SUPREME—Beautiful deep pink	1.50
LIGHT PINK PEGGY SCHUMANN—(New)	2.00
MAIDEN'S BLUSH IMPROVED—Apple Blossom	1.50
MARIE LOUISE—Seashell pink	2.00
MARY ELLEN—Early light rose pink	2.00
MILADY—Bright pink	1.00
MARYLAND PINK—Early light pink	2.00
NEW CINCINNATI—Fine light pink	1.00
PEGGY SCHUMANN—Pink	2.00
ROCKWOOD PINK SUPREME—Brilliant rose pink	2.00
ROSE QUEEN—Deep rose pink	1.00
ST. LOUIS PINK—Beautiful flesh pink	1.50

White

	Tr. Pkt.
FEIST'S WHITE—(New)	\$2.00
GILBERT'S WHITE—(New)	2.00
JUNGLEWOOD WHITE—(New)	2.00
KOESTER'S WHITE	1.50
LUCKY STRIKE IMPROVED	1.50
MARGARET—(New)—Ivory white	2.00
MARION WHITE	1.50
PAPERWHITE	2.00
PEACE—(New)—Pure white	1.50
ROCKWOOD EARLY WHITE	2.00
SCHLEGEL'S EARLY WHITE IMPROVED	1.50
WESTOVER FRINGED WHITE EARLY (WINDMILLER)	1.50
WESTOVER FRINGED WHITE	1.00
WHITE PEGGY SCHUMANN—(New)	2.00
WHITE WONDER	1.50
YULETIDE—(New)—Early white	2.00

Red

	Tr. Pkt.
THOMPSON'S RED	\$2.00
SHISLER'S RED	2.00
CRIMSON QUEEN	2.00
VELVET BEAUTY—American Beauty Red	1.00
SCHUMANN'S VELVET RED—(New)	2.00

Lavender

	Tr. Pkt.
LAVENDER ROSE	\$2.00
WINDMILLER'S LILAC—Excellent orchid color	1.50
SCHUMANN'S LAVENDER	2.00
BALL'S LAVENDER	1.50
ROCKWOOD LAVENDER—(New)	2.00

Yellow

	Tr. Pkt.
BEZDEK'S YELLOW WONDER	\$1.50
CAROL JEAN—Golden yellow	2.00
CEYLON COURT LIGHT	1.00
CEYLON COURT DARK	1.00
ETHEL—Golden yellow	1.50
FRANCES SCHLEGEL—(New)—Yellow	2.00
GILBERT'S YELLOW—(New)	2.00
JUNGLEWOOD YELLOW—(New)—Rich yellow	2.00
KLONDYKE SUPREME—Deep yellow	1.50
ROCKWOOD'S CANARY YELLOW	1.50
SARA-LOU—Bright yellow	2.00
SCHLEGEL'S EARLY YELLOW—(New)	2.00
SUNRAY—Yellow	1.50
YELLOW CHEVIOT MAID	1.00
YELLOW PEGGY SCHUMANN—(New)	2.00
SONNY—Yellow	2.00

Bronze and Orange

	Tr. Pkt.
AFTERGLOW—Golden orange	\$1.00
BEULAH—Talisman bronze	2.00
BRONZE CHRISTMAS CHEER—Early golden bronze	2.00
BRONZE PEGGY SCHUMANN—(New)	2.00
GILBERT'S BRONZE BEAUTY	1.50
GLORIOUS—Reddish bronze	1.00
LADY DOROTHY—(New)—Copper red	3.00
SUNTAN—Orange tan	1.00

Standard Outdoor Rust-Resistant Strains**MAJUS GRANDIFLORUM**

AUTUMN GLOW SHADES—Old rose suffused amber.

FIERY—RED—Very brilliant.

HARMONY SHADES—Terra cotta yellow, shaded rose.

ORANGE SHADES—Deep to light orange.

PINKIE—Clear rose.

REVEILLE—Deep luminous yellow.

ROSALIE—Rich deep rose; underlying tone of topaz or amber.

SALMON SHADES—Salmon rose, pink or amber.

SHASTA—Pure white.

WALLFLOWER RED.

YELLOW JACKET—Deep yellow.

UNIVERSITY OF CALIFORNIA MIXTURE.

Tr. Pkt.	1/4 oz.	oz.
\$.35	\$.75	\$2.75

AGATHEA — (Blue Daisy)

COELESTIS—The lovely, free flowering blue Marguerite.

Tr. Pkt.	oz.
\$.25	\$1.85

AGERATUM

	Tr. Pkt.	1/4 oz.	oz.
BLUE BALL IMPROVED—Dwarf and compact.			
Uniform rich blue color	\$.35	\$1.25	\$4.00
BLUE CAP—Rich blue, very compact	.30	1.00	3.50
BLUE PERFECTION—Dark blue	.20	.50	1.50
LITTLE BLUE STAR—3 inches high, fine for bedding	.25	1.00	3.50

ASPARAGUS

(New Crop Seed Ready In Mid-February)

PLUMOSUS NANUS and SPRENGERI—At market price.

ALYSSUM

	Tr. Pkt.	oz.	1/4 lb.
BOUQUET — (Carpet of Snow — Procumbens)			
best dwarf variety	\$.15	\$.75	\$2.25
LITTLE GEM—Dwarf and compact	.20	.90	2.75
SWEET—(Maritimum) Trailing	.15	.40	
SNOW CLOTH—Plants are flat and a compact mass of pure white flowers	.25	.75	
VIOLET QUEEN—Dwarf compact	.25	1.25	4.25

ASTERS

Bodger's Wilt Resistant Strains

Queen of the Market

AZURE BLUE	PEACH BLOSSOM—Flesh pink
CRIMSON	ROSE
DARK BLUE or PURPLE	WHITE
LIGHT BLUE or LAVENDER	FINEST MIXED
Tr. Pkt.	1¼ oz. oz.
\$.40	\$.60 \$1.85

Early Royal Branching

AZURE BLUE or DARK LAVENDER			PURPLE
DEEP ROSE			SHELL PINK
PEACH BLOSSOM—Lavender			WHITE
pink			FINEST MIXED
	Tr. Pkt.	1/4 oz.	oz.
	\$.40	\$.60	\$1.85

American Beauty

AZURE FAIRY—Dark lavender	SEPTEMBER BEAUTY—Shell pink	
CRIMSON	SILVERY ROSE	
DEEP ROSE	WHITE	
PURPLE	MIXED	
Tr. Pkt.	1/4 oz.	oz.
\$.40	\$.60	\$1.85

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



ASTERS

IMPROVED CREGO

Plants robust, branching about 2½ feet tall, flowers large, double and well formed, one of the finest varieties for all purposes. Blooming mid-August.

AZURE BLUE	PEACH BLOSSOM
BLUE FLAME —Rich Blue	SHELL PINK
CRIMSON	PURPLE or DARK BLUE
DEEP ROSE	WHITE
LIGHT BLUE —Lavender	FINEST MIXED
Tr. Pkt.	1/4 oz. oz.
\$.40	\$.60 \$1.85

AMERICAN BRANCHING (Semple's)

Plants 2½ to 3 feet tall, branching, robust, flowers large, double and fine form. Our selected stocks of these are the best money can buy. Flowers late August and early September.

ROSE	AZURE BLUE or DARK LAVENDER
SHELL PINK —(Mary Semple)	CRIMSON
WHITE —Extra select, long stems	PEACH BLOSSOM
FINEST MIXED	PURPLE
Tr. Pkt.	1/4 oz. oz.
\$.40	\$.60 \$1.85

EARLY GIANT

The finest large flowered, heavy stemmed wilt resistant Aster yet developed. Flowers are of the large Giant of California type, while the plants are shorter, about 1½ feet in height. This class is early blooming, coming into flower by the first week in September.

LIGHT BLUE	ROSE MARIE —Rich rose
PEACH BLOSSOM	MIXED
Tr. Pkt.	1/4 oz. oz.
\$.50	\$.80 \$2.75

(Tilford Strain)

Highly resistant selections which have been developed by Dr. Paul Tilford. Originator's Packets.

ROSE	SHELL
PURPLE	PINK
WHITE	
Tr. Pkt.	
\$1.50	

Various Resistant Varieties

BALL'S WHITE EARLY —White crested center, branching 2 to 2½ feet. Mid-August.	
BALL'S WHITE LATE —White 2½ to 3 feet long stems. Early September.	
BALL'S DEEP ROSE —Bright deep rose, 2½ to 3 feet branching. Late August.	
BALL'S PURPLE —Deep bright purple, 2½ to 3 feet branching. Late August.	
EARLY PHLOX PINK —Clear light rose pink, 2½ to 3 feet. Late August.	
HEART OF FRANCE —Bright red. Late August.	
Tr. Pkt.	1/4 oz. oz.
\$.40	\$.60 \$1.85

PRINCESS TYPE (Wilt Resistant)

A very attractive new cutting type of wilt resistant Aster, 2'-2½' tall, branching and free flowering, early blooming, bearing quantities of flowers on strong stems. Flowers have a full deep crested center, surrounded by several rows of dainty plume-like guard petals. Blooms mid-August.

ANNE —Peach Blossom	MARSHA —Rich cinnabar scarlet
BONNIE —Soft salmon rose	MIXED
Tr. Pkt.	1/4 oz. oz.
\$.50	\$1.00 \$3.00

SINGLE CHINENSIS (Wilt Resistant)

Plant 1½ to 2 feet tall, flowers daisylike, petals wide and closely placed, blooms in late August.

RAINBOW MIXTURE —Special florist strain.	
Tr. Pkt.	1/4 oz. oz.
\$.25	\$.45 \$1.65

BEGONIA

	Tr. Pkt.	1/64 oz.	1/32 oz.
ADELIN —Dwarf bright pink	\$1.00	\$2.50	\$4.50
CARMEN —Compact well formed variety with greenish bronze foliage and clear rose pink flowers	1.00	2.25	4.00
CHRISTMAS CHEER —Medium Dwarf Crimson Scarlet	1.00	2.00	3.50
ILE DE FRANCE —A large pure white with light green foliage. Growth fairly strong	1.00	2.00	3.50
INDIAN MAID —Deep bronze, shiny leaf with red flowers	1.00	2.50	4.50
KING OF THE REDS —Red flowers with green foliage. The dwarf habit of this begonia makes it suitable for pot plants or the border	1.00	2.50	4.50
LUMINOSA — Red	1.00	3.00	5.50
PRIMA DONNA — Carmine	1.00	2.00	3.50
MASTERPIECE —Clear rose pink	1.00	2.25	4.00
SALMON QUEEN —Large flowered salmon	1.00	2.25	4.00
WHITE LADY — White	1.00	2.25	4.00
WHITE PEARL — White	1.00	2.50	4.50
SCANDINAVIA — Free flowering. Bright rose pink	1.00	2.75	5.00
TUBEROUS ROOTED —Camelia flowered double type mixed		2.50	

CALENDULA

August sowing will flower from December to February. Early October sowing to follow Chrysanthemums, will bloom in February and March, while January sowing will bloom in April and May.

SENSATION or CAMPFIRE IMPROVED—Brilliant Orange Scarlet Sheen.

BALL'S GOLD—Long stemmed, large, deep golden yellow.

BALL'S LONG ORANGE IMPROVED—Bright orange with light eye. The extra large flowers and long stems make an outstanding variety.

BALL'S ORANGE—Glowing Orange.

BALL'S SUPREME—Orange with dark brown center; unusually free flowering.

LEMON QUEEN—Deep lemon yellow with dark brown eye. Contrasting colors make this yellow variety very effective.

MASTERPIECE—Long stemmed, clear orange flower with dark center.

Tr. Pkt.	1/4 oz.	oz.	1/4 lb.
\$.40	\$.60	\$2.00	\$6.50

CALCEOLARIA

Gilbert's Strains

This is an improvement over the original Multiflora Nana type. Compact habit of growth; good selection of colors in the mixture; excellent foliage.

MULTIFLORA NANA RED	TRIUMPH STRAIN (Grandiflora) —
MULTIFLORA NANA YELLOW	Large flowered strain.
MULTIFLORA NANA MIXED	

Tr. Pkt.
\$1.00

Regular Strain

MULTIFLORA NANA MIXED—Dwarf growth with large compact heads of medium sized flowers. This fine strain contains a good range of colors.

Tr. Pkt.	oz.	oz.
	1/64	1/32
\$1.00	\$4.25	\$8.00

CINERARIA

Positively do not use soil that was previously used for Mums and especially so if your Mums were affected with Verticillium wilt or Seidewitz disease. CINERARIAS are attacked by this wilt which is a soil borne fungus. It will cause the lower leaves to wilt and die and then gradually kill the entire plant. The only prevention for this trouble is to use new field soil from seed flats to finished pot. If you do use old chrysanthemum soil be sure to sterilize it. TO BE ON THE SAFE SIDE IT IS RECOMMENDED TO STEAM STERILIZE SOIL BEFORE USING.

SITER'S RAINBOW STRAIN—This Cineraria carries immense flower heads, is compact in growth and has small round leaves. The medium large flowers range in colors from the bright-eyed types to the finer pastel shades.

Originator's Packets: \$2.00 each

CREMER'S PRIZE STRAIN — This strain has been greatly improved by the originator — has small foliage that is wilt-proof with tremendous heads of flowers of the brightest colors.

Tr. Pkt.	oz.	oz.
	1/64	1/32
\$1.50	\$4.00	\$7.50

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

**CANDYTUFT**

Candytuft should be sown in flats in January and transplanted when the first leaves appear. Plant in the bench or bed about Feb. 15th. Grow in a temperature of 45-50° and good crop may be secured by Memorial Day. Candytuft Giant Hyacinth Flowered White is the most satisfactory type for this method of culture.

GIANT HYACINTH FLOWERED WHITE—Very superior strain growing 1½ feet high, has immense trusses of bloom. We believe it the finest strain to be had.

	Tr. Pkt.	oz.	¼ lb.	lb.
CRIMSON —Purplish red	\$.20	\$.80	\$2.75	\$8.50
FLESH —Flesh Pink				
ROSE CARDINAL —Deep red				
ROSE —Soft rose				
WHITE				
LA VENDER or LILAC	Tr. Pkt.	oz.	¼ lb.	lb.
	\$.15	\$.50	\$1.65	

CALLIOPSIS DWARF

This annual is very free flowering and recommended for bedding. If continued flowering is wanted old flowers must be removed.

	Tr. Pkt.	oz.
GOLDEN WAVE —Golden Yellow with red zone	\$.15	\$.50
DWARF VARIETIES MIXED	.15	.50

CARNATION (Enfant de Nice)

One of the best annual Carnations. Plants are strong, robust growers bearing flowers 2½ to 3 inches in diameter on good stiff stems. Do not expect over 75% to come true to color or better than 90% double flowers.

	Tr. Pkt.	½ oz.	Tr. Pkt.	½ oz.
WHITE	\$.50	\$2.00	SPECTRUM RED	
SALMON	.50	2.00	Intense Scarlet	\$.50 \$2.00
ROSE	.50	2.00	YELLOW	.50 2.00
			MIXED	.50 2.00
			RED	.50 2.00

CELOSIA — (Gilbert's Maple Gold)

Beautiful combs varying in color from light to dark pink tipped with Gold. Grows 2 to 3 feet high.

Originators Tr. Pkt. (300 seeds) \$.50

CELOSIA CRISTATA

DWARF GOLDEN YELLOW.

DWARF EMPRESS—Deep scarlet bronzy green foliage.

	Tr. Pkt.	¼ oz.	oz.
	\$.30	\$.60	\$2.25

CELOSIA PLUMOSA

	Tr. Pkt.	¼ oz.	oz.
FIERY FEATHER —Similar to Flame of Fire, but taller and with somewhat smaller plumes more freely produced	\$.40	\$1.25	\$4.00
FLAME OF FIRE —Fine dwarf type. Fiery red	.50	1.50	
GOLDEN FEATHER —Habit same as Fiery Feather, but with golden yellow plumes	.40	1.25	4.00
PRIDE OF CASTLE GOULD —Deep crimson to light yellow	.20	.55	2.00
THOMPSONNI MAGNIFICA FINEST MIXED —Excellent strain	.35	.60	2.25

CHRYSANTHEMUMS (Annual)

Another group which is finding favor with florists for cut flower material. Chrysanthemums last remarkably well as a cut flower, but for best results keep them in water 24 hours before marketing. Sow in mid-August to follow early Chrysanthemums. Responds very well to additional light.

	Tr. Pkt.	oz.
MIXED	\$.15	\$.40

CENTAUREA CYANUS (Cornflower)

BLUE BOY—Excellent for forcing.

PINKIE—Deep pink.

RED BOY—Deep red.

WHITE.

	Tr. Pkt.	oz.	¼ lb.	lb.
Prices of the above	\$.15	\$.45	\$1.50	\$5.00

CENTAUREA (Various)

	Tr. Pkt.	¼ oz.	oz.
AMERICANA LILAC —Thistle-like blooms of rosy-lavender color. Splendid for cutting	\$.15	\$.25	\$.75
AMERICANA WHITE —White form of the above	.15	.25	.75
SUA VEOLENS —Large bright yellow flowers, popular for cutting	.15	.25	.85
CANDIDISSIMA —(Dusty Miller) Silvery Gray foliage	.45	1.00	3.50
GYMNOCARPA —(Dusty Miller) Fine silvery foliage	.20		.75

COSMOS**Hybrida Early Klondyke**

	Tr. Pkt.	oz.
ORANGE FLARE —Single early flowering. Orange	\$.25	\$.85

Sensation

PINKIE —Delightful rose pink	.25	1.15
PURITY —Glistening white	.25	1.15
CRIMSON —Deep red selection of Sensation	.30	1.75
MIXED	.25	1.15

COLEUS

	Tr. Pkt.
LARGE LEAVED HYBRIDS MIXED —An excellent strain containing a mixture of brilliant colors	\$1.00
GLORY OF VICHY —Small leaved	.75

CYCLAMEN**COLORADO****Burghard Strain**

	Seeds	Seeds
	100	1,000
No. 1— DARK BLOOD RED	\$1.50	\$12.00
No. 2— BRIGHT RED	1.50	12.00
No. 3— PURE ROSE	1.50	12.00
No. 4— SOFT ROSE WITH CARMINE EYE	1.50	12.00
No. 5— WHITE WITH EYE	1.50	12.00
No. 6— PURE WHITE	1.50	12.00
No. 7— BONFIRE (America)	2.25	20.00
No. 8— SALMON SCARLET (American Imp.)	2.25	20.00
No. 9— NEW SALMON ROSE IMP.	2.00	18.00
No. 10— GLORY OF WANDSBEK OR PERLE OF ZEHLENDORF. Dark salmon	1.75	16.00
No. 11— ROSE OF ZEHLENDORF. Light salmon	1.75	16.00
No. 12— ORANGE BEAUTY. Orange vermillion	2.00	18.00
No. 14— MORNING RED. Magenta color	1.50	12.00
No. 16— SAFFRON RED SILVER EDGE	1.75	16.00
No. 18— MOZART. Deep pink	2.00	18.00
No. 19— LAVENDER OR LILAC SHADES	1.50	12.00
No. 21— PINK PEARL	2.00	18.00
DOUBLE SALMON SHADES	2.25	20.00
RUFFLED MIXED	1.75	16.00

LONG ISLAND GROWN

No. 1— DARK RED XMAS RED	2.50	18.00
No. 2— BRIGHT RED	2.50	18.00
No. 3— PURE ROSE	2.50	18.00
No. 4— ROSE OF MARIENTHAL, Rose with eye	2.50	18.00
No. 5— PURE WHITE	2.50	18.00
No. 6— WHITE WITH CARMINE EYE	2.50	18.00
No. 7— LIGHT LAVENDER OR LILAC	2.50	18.00
No. 8— DEEP DARK RED	2.75	22.00
No. 10— VICTORIA WHITE TIPPED RED. Fringed border	2.75	22.00
No. 12— SAFFRON RED. Red with salmon glow	2.75	22.00
No. 13— SAFFRON RED WITH SILVER EDGE	2.75	22.00
No. 14— PERLE OF ZEHLENDORF. Dark salmon	2.75	22.00
No. 15— ROSE OF ZEHLENDORF. Light salmon	2.75	22.00
No. 16— NEULACHSROSA. New salmon rose	2.75	22.00
No. 18— BONFIRE	3.00	25.00
No. 19— SALMON QUEEN. Scarlet with shiny black eye	3.00	25.00
No. 20— SALMON ROSE. With deep white border	3.00	25.00
No. 23— SALMON RED. With silver edge	3.00	25.00

EUROPEAN CYCLAMEN STRAINS

We shall also be able to supply seed of the best European Cyclamen Strains as soon as they become available, at market prices.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



DELPHINIUM

	Tr. Pkt.	oz.
BLACKMORE & LANGDON STRAINS	\$.50	\$3.00
CLIVEDEN BEAUTY (Improved Belladonna)—Selected strain. Turquoise blue .....	.40	3.00
BELLAMOSUM—Dark blue. Belladonna habit of growth .....	.40	3.00
GOLD MEDAL HYBRIDS—Large flowering. Tall .....	.25	1.75
LAMARTINE—Fairly deep bright marine blue. Excellent cut flower habit .....	.50	4.75
WREXHAM HYBRIDS—Blending of light and dark shades .....	.50	5.50

DAHLIAS

These are easy to raise from seed and are overlooked by many florists.

For small pot plant sales in the spring the seed should be started during January or February. To produce four inch pot plants for Mothers Day sow the seed in November.

	Tr. Pkt.	oz.
UNWIN'S DWARF IDEAL BEDDING MIXED — Early flowering semi-double, 18 inches in a wide range of colors	\$.50	\$2.50
COLTNESS HYBRIDS—Dwarf single type; very free flowering; height 2 feet; choice mixed colors .....	.50	1.50

DIDISCUS

COERULEA—(Blue Laceflower)	\$.25	\$1.25
Responds to Additional Light		

DRACAENA

AUSTRALIS—Broad leaved variety	1/4 lb. \$3.50	\$.20	\$1.00
INDIVISA—Narrow green leaves. The popular kind for bedding or vases. lb. \$5.00	1/4 lb. 1.50	.15	.50

EUPHORBIA

VARIEGATA—(Snow on the Mountain)	\$.15	\$.50
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FEVERFEW (Matricaria)

DOUBLE WHITE—Excellent for cut flowers.

Tr. Pkt.	1/4 oz.
\$.50	\$2.00

GAILLARDIA PICTA

	Tr. Pkt.	oz.
INDIAN CHIEF—Single Bronzy red	\$.15	\$.85
DOUBLE LORENZIANA—Finest mixed .....	.15	.85
SINGLE MIXED .....	.15	.85

GERBERAS

NEW IMP. DUPLEX STRAIN—The best in America.	
250 Seeds	\$ 1.75
1000 Seeds	5.00
8000 Seeds, 1 oz.	35.00

GLOXINIA

From the time the seed is sown six months is required to mature this plant.

MIXED—This mixture consists of the most desirable Florist strains of the flexible leaf type\$1.00 oz.

GYPSOPHILA (Baby's Breath)

(Annual)

COVENT GARDEN STRAIN—Pure White.

LONDON MARKET IMPROVED.

oz.	1/4 lb.	lb.
\$.25	\$.75	\$2.25

HELICHRYSUM MONSTROSUM

CANARY YELLOW	SALMON QUEEN
FIREBALL or SCARLET	SILVER BALL
GOLDENGLOBE	VIOLET QUEEN
ROSE CARMINE	FINEST MIXED
ROSE QUEEN	

Tr. Pkt.	oz.
\$.15	\$1.00

IPOMEA

CLARK'S MAMMOTH BLUE—(Heavenly Blue Improved)—plant in a dry sandy location and never apply fertilizer.

Tr. Pkt.	1/4 oz.	oz.
\$.25	\$.75	\$2.00

KALANCHOE

For Christmas flowering shade the plants with black cloth from September 1st to October 10th, from 5 P.M. to 8 A.M. each day and grow in a 60 degree house.

TOM THUMB—A dwarf strain of Blossfeldiana. Ideal for pot plants.

For best results sow seeds in January.

Tr. Pkt.	1/64 oz.	1/32 oz.
\$2.50	\$5.00	\$9.00

	Tr. Pkt.	oz.
BLOSSFELDIANA	\$.60	\$1.75

ANNUAL LARKSPUR

Giant Imperial or Base Branching

BLUE BELL —Azure blue		
BLUE SPIRE —Very deep violet blue		
DAINTINESS —Delicate lavender		
DAZZLER —Rich scarlet		
EXQUISITE PINK IMPROVED — Soft pink shaded salmon		
EXQUISITE ROSE —Rose pink		
GLORIA IMPROVED —Deep salmon rose		
LILAC KING —Rich lilac, fully double closely spaced florets		
LILAC SPIRE		
LOS ANGELES IMPROVED — Brilliant pink on salmon.		
MISS CALIFORNIA —Deep rose on salmon		
PINK PERFECTION — Beautiful shade of lively light salmon pink		
SWEET LAVENDER — Lavender		
WHITE KING —Glistening white, huge flowers		
WHITE SPIRE —Pure white, early		
MIXED —Named colors		
Tr. Pkt.	oz.	lb.
\$.25	\$1.10	\$11.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



LIATRIS

Tr. Pkt.	oz.
PYCNOSTACHYA—Rosy purple. Fine for cutting	\$.35 \$3.00

LILIUM

Tr. Pkt.	1/8 oz.
LILIUM LONGIFLORUM PRAECOX WHITE QUEEN.	
Remarkably quick in blooming. 12 to 15 months,	
pure white	\$1.00 \$2.25

LOBELIA

Sow Early to Get Best Results

Tr. Pkt.	oz.
BLUE STONE—Dwarf bright blue, compact habit	\$.35 \$3.00
CRYSTAL PALACE COMPACTA—Dwarf, dark blue;	
dark foliage .....	.35 3.00
MRS. CLIBRAN IMP.—Dwarf blue, white eye .....	.35 3.00
SAPPHIRE—Deep blue, white eye, trailing .....	.40 3.50

MIGNONETTE

Valuable for cutting on account of its fragrance
Seed sown in September will flower in late winter. January sowing
will bloom in May.

Tr. Pkt.	1/4 oz.
GIANT NEW YORK MARKET—Selected florist strain.....	\$1.00 \$2.50

Myosotis (Irwin's Winter Flowering)

Tr. Pkt.	1/4 oz.	oz.
BLUE BIRD	\$.35	\$.85 \$3.00

MARIGOLDS

Harmony Types

Tr. Pkt.	oz.
GOLDEN HARMONY—Luminous golden yellow	\$.30 \$1.75
HARMONY—Deep orange center petals flanked by	
wide dark maroon, brown petals .....	.25 1.00

Carnation Flowered

(Odorless)

GUINEA GOLD—Reselected strain, orange loosely finished flowers.
2-2 1/2 feet.

YELLOW SUPREME.

Tr. Pkt.	oz.	1/4 lb.
\$.25	\$1.75	\$6.00

Dwarf French Varieties

Tr. Pkt.	oz.
FIRE CROSS—Single, saffron, orange with brown,	
red center	\$.15 \$.65
FLASH—(New)—Flowers ranging from vivid red	
through bronze with a few yellow, to give har-	
monious contrast .....	.40 2.00
GOLDEN BALL—Extra large double golden yellow	
flowers. Plants are dwarf and compact .....	.25 1.00
LEGION OF HONOR—Single golden yellow with crim-	
son spot .....	.15 .65
LEMON BALL—Double yellow flowers .....	.25 1.00

Tall French

LIEB'S WINTER FLOWERING—Deep brown with yellow center.

Tr. Pkt.	oz.
\$.40	\$2.00

Gigantea

A remarkable new sweet scented, robust growing extremely large
flowered type, ideal for show purposes, florist use and garden
decoration. It has also been tested and found good for greenhouse
culture.

ORANGE SUNSET—Deep, rich, lively orange.

SUNSET GIANTS—A rich mixture of deep orange, golden orange,
light, yellow, lemon yellow.

Tr. Pkt.	oz.
\$.35	\$1.75

African Varieties Tall Double

Of comparative recent development, these all double strains pro-
duce practically 100% true double flowers.

ORANGE ALL DOUBLE—Rich orange.

LEMON ALL DOUBLE—Bright lemon yellow.

LEMON QUEEN—Bright lemon yellow.

PRINCE OF ORANGE IMPROVED.

GOLDEN EMBLEM—A distinct shade of deep golden yellow.

Tr. Pkt.	oz.
\$.30	\$1.35

Nierembergia (Dwarf Cup Flower)

Sow seed early to have plants in flower for Decoration Day. Ex-
cellent plant for edging and general bedding work. Will flower
profusely during entire summer.

Tr. Pkt.	1/32 oz.	1/16 oz.
PURPLE ROBE—Deep violet purple.	\$.50	\$1.75 \$3.00

PANSIES

Irwin's Rainbow Mixture

It is without question a perfect strain for the commercial trade.

Tr. Pkt.	1/8 oz.	1/4 oz.	oz.
\$1.00	\$1.75	\$3.50	\$12.00
IRWIN'S EXHIBITION MIXED	\$.75	1/8 oz.	1/4 oz.
ROGGLI SWISS GIANT IMPROVED		\$1.25	\$2.25
MIXED .....	.75	1.25	2.25
MAPLE LEAF GIANTS—Large flower-			8.00
ing strain .....	.75	1.75	3.00
TALL WINTER FLOWERING—Tall grow-			10.00
ing winter cut flower variety	1.00		

SWISS GIANT SEPARATE COLORS

ROGGLI'S GIANT ALPENGLOW—Cardinal shades.
ROGGLI'S GIANT BERNA—Dark violet blue.
ROGGLI'S GIANT BLUE—(Ullswater)—Rich clear blue.
ROGGLI'S GIANT LUNA—Sulphur yellow.
ROGGLI'S GIANT PURE WHITE.
ROGGLI'S GIANT RHEINGOLD—Yellow with blotch.
CORONATION GOLD—Canary yellow; lower petals flushed golden
orange, slightly spicy scented.
SWISS GIANTS MIXED.

Tr. Pkt.	1/8 oz.	1/4 oz.	oz.
\$.75	\$1.75	\$3.00	\$10.00

PEPPERS (Ornamental)

	Tr. Pkt.
BIRDS EYE—Popular birdseye or holly berry type	\$1.00
CHRISTMAS CANDLE—Bears candle-like fruit	1.00
LONG POINTED—Fine selection, long pointed type	1.00

PETUNIA — (152,000 Seeds in Oz.)

BURGUNDY RED with white throat.
LACE VEIL, dwarf white fringed.
MARILYN, ruffled giant salmon pink.
PURPLE ROSE, purple with silvery white picotee edge.
RAPTURE, rose pink yellow throat veined carmine rose.
SETTING SUN, rose pink.
THEODOSIA, fringed rose gold throat.
GIANTS OF CALIFORNIA GLAMOUR, ruffled salmon rose.
GIANTS OF CALIFORNIA SUPREME FLORIST STRAIN.
GIANTS OF CALIFORNIA FLUFFY RUFFLES MIXED.
DWARF ELK'S PRIDE, velvet and violet.

Tr. Pkt.
\$.50

Portland Petunia

PRIDE OF PORTLAND, rose pink	SCARLET BEAUTY
ELK'S PRIDE, velvety violet	WHITE BEAUTY
Tr. Pkt.	
\$.50	

Petunia Small Flowered Varieties

	Tr. Pkt.
ADMIRAL, clear blue	\$.75
ALDERMAN, dark violet .....	.35
BETSY ROSS, ruffled red and white .....	.50
BLOTCHED & STRIPED (Inimitable) .....	.20
BLUE BIRD, deep violet .....	.35
CELESTIAL ROSE IMP .....	.50
DWARF FLAMING VELVET (King Henry), blood red .....	.50
GENERAL DODDS, blood red .....	.25
FIRST LADY, flesh pink .....	.35
GLOW, bright rose dwarf .....	.35
HEAVENLY BLUE, silvery light blue .....	.35
HOLLYWOOD STAR, rose pink creamy eyed .....	.35
HOWARD STAR IMP, purple white star .....	.35
MARTHA WASHINGTON, blush pink veined wine red .....	.35
GENERAL WASHINGTON, velvety red .....	.35
NORMA, violet blue, white star .....	.35
ROSE OF HEAVEN, beautiful pink .....	.35
ROSE OF HEAVEN IMP .....	.50
ROSY MORN, pink with white throat .....	.35
ROSY MORN IMP .....	.50
SNOWBALL, dwarf white .....	.35
SNOWSTORM IMP .....	.75
TOPAZ ROSE, velvety rose .....	.35
VELVET BALL, velvety blood red .....	.50
VIOLACEA, violet .....	.35
WHITE CLOUD, pure white .....	.50
VIOLET GEM, velvety violet .....	.35
TWINKLES, rose white star25
CREAM STAR, cream and white with yellow50
IRWIN'S SPECIAL DWARF MIXED25

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Small Flowered Varieties — Balcony Type

BALCONY BLUE	BALCONY ROSE
BALCONY RED, dark red	BALCONY WHITE
Tr. Pkt.	
\$.35	

PETUNIA

— All Double Victorious —

ALL DOUBLE MIXED	PINK PERFECTION (World Beauty)
1/2 tr. pkt. (approx. 500 seeds)	\$2.50
Tr. pkt. (approx. 1,000 seeds)	4.00

DIENER'S RUFFLED MONSTERS

No. 1—PINK RUFFLED MONSTER	Tr. Pkt.
No. 2—FLESH PINK RUFFLED	\$.50
No. 3—VARIEGATED RUFFLED	.50
No. 4—WHITE WITH YELLOW CENTER RUFFLED	.50
No. 7—RED & WHITE, variegated	.50
No. 8—RUFFLED MONSTERS, mixed	.50
No. 10—SALMON ROSE	.50
No. 13—HELIOTROPE	.50
No. 15—PURPLE AND WHITE	.50
No. 16—WHITE BEAUTY	.50
No. 41—COPPER RED	.50
No. 46—DEEP VELVET, violet	.50
No. 47—JUMBO MIXTURE OF RUFFLED MONSTERS	1.00
No. 38—DOUBLE RUFFLED MONSTERS, mixed	1.50

PRIMULA MALACOIDES ERIKSSONI

MRS. ERIKSSONI OF RIVERSIDE—Rose red.
GLORY OF RIVERSIDE—Rose pink.
ERIKSSONI'S NEW GIANT—Rose pink.
ERIKSSONI'S WHITE GIANT—(New).
LILAC BEAUTY—Pure soft lilac.
PEACH BLOSSOM—Deep peach blossom pink.
800 Seeds — \$1.25
2,000 Seeds — \$4.00

PRIMULA GIANT MALACOIDES

FAIRY JEWELS—(Double)—Rose pink.
ENCHANTRESS—Soft salmon.
SNOWFLAKE—Pure white.
SWEETHEART—(New)—Unique bi-color.
TWINKLES—(Double)—Soft flesh pink.
MIXED.

Tr. Pkt.
\$1.50

PRIMULA OBCONICA

MUELLER ROSE	FASBENDER — Red
MOHNSTEIN RED	WHITE
Tr. Pkt.	1/64 1/32
\$1.50	oz. oz.
	\$2.50 \$4.50

PHLOX DRUMMONDI

NANA COMPACTA

APRICOT	SALMON PINK
CHAMOIS ROSE—Deep rose	SNOW BALL—Pure white
FIREBALL—Fiery red	CUSPIDATA MIXED
ISABELLINA—Yellow	
Tr. Pkt.	1/4 oz. oz.
\$.35	\$.95 \$3.25

PHLOX DRUMMONDI GRANDIFLORA

BRILLIANT—Deep rose dark eye	LILAC
CHAMOIS ROSE—Carmine eyed	WHITE
COCCINEA—Brilliant red	MIXED
ISABELLINA—Buff yellow	
Tr. Pkt.	1/4 oz. oz.
\$.35	\$.95 \$2.75

PORTULACA

DOUBLE—Large flowering mixed. Extra fine quality	Tr. Pkt.	oz.
SINGLE—Large flowering mixed	.25	2.25

RICINUS (Castor Beans)

ZANZIBARIENSIS MIXED—Very richly colored foliage. Enormous plant, on good soil growing 10' high.
oz. 1/4 lb. per lb.
\$.20 \$.60 \$2.00

SALPIGLOSSIS

Emperor or Superbissima

(Painted Tongue)
FINEST MIXED
Tr. Pkt. oz.
\$.25 \$1.25

SALVIA

	Tr. Pkt.	1/4 oz.	oz.
AMERICA—(Globe of Fire)	.50	\$1.50	\$5.00
BONFIRE—Clara Bedman	.50	1.50	5.00
FIRE MAGIC—Early dwarf; very fine	.75	2.25	8.00
HARBINGER—Early flowering dwarf, bright scarlet	.50	1.50	5.00
SPLENDENS—Tall growing	.50	1.00	3.50
FIREBRAND—Extra early, very dwarf scarlet	.75	1.75	5.25
ZURICH—Dwarf very early scarlet	.50	1.25	4.75
FARINACEA BLUE BEDDER—Deep blue	.50	1.25	3.50

SCABIOSA

Large Flowered Tall Double

(Old Maid's Pincushion)

This long stemmed, free flowering annual is gaining great popularity as a summer cut flower. Every retail grower should have a good supply all summer. This flower is easily grown when seeded in April and transplanted out of doors.

AGERATUM BLUE—Mid blue.
AZURE FAIRY—Azure blue.
BLUE COCKADE—Deep blue.
CATTLEA—Rich rosy lilac, orchid tone.
CHERRY RED or CRIMSON.
FIRE KING—Fiery scarlet.
KING OF THE BLACKS—Reddish black.
LOVELINESS—Salmon rose shades.
PEACH BLOSSOM.
ROSETTE.
ROSE.
SHASTA—Pure white, very large.
SPECIAL MIXTURE.

Tr. Pkt. oz.
\$.15 \$.75

STOCKS

The non-branching type, which has come into general use, should be planted 3 inches in the row and 6 inches between rows, producing a single stem. The branching types should be planted 8 x 8 inches and topped when 6 inches tall to produce side shoots of sufficient length.

Flowering of stocks only occurs when the temperatures are below 60 degrees for the greater part of the night. To secure the greatest percentage of doubling the largest and most vigorous plants should be selected.

NON-BRANCHING (Excelsior Column Stocks)

	Tr. Pkt.	1/4 oz.	oz.
APRICOT—Large flowered creamy buff	\$1.00	\$2.50	\$9.00
DARK BLUE	1.00	2.50	9.00
DEEP APRICOT—(New)	1.00	2.50	9.00
GARDENIA—Shimmering glistening white	1.00	2.50	9.00
MALMAISON PINK—Blush pink	1.00	2.50	9.00
ROSE PINK—Clear rose pink	1.00	2.50	9.00
ROYAL PURPLE	1.25	3.00	9.00
RUBY—Rich crimson red	1.00	2.50	9.00
SILVERY LILAC—Lavender	1.00	2.50	8.00
WHITE	1.00	2.50	9.00

YELLOW WONDER—Rich creamy yellow with full double florets well arranged on long spikes	Tr. Pkt. 1/4 oz.	oz.
	\$1.00	\$2.50

GIANTS OF CALIFORNIA (Branching)

The Giants of California can also be grown similarly to the non-branching type. When grown this way the side shoots should be removed. For the retail grower the branching types are gaining popularity. These should be planted 8 x 8 inches and topped when 6 inches tall to produce side shoots of sufficient length.

PACIFIC—Blue	TAHOE—Lavender
RED WOODS—Blood red	SANTA MARIA—White
YOSEMITE—Rose pink	SANTA BARBARA—Chamois
Tr. Pkt.	1/4 oz. oz.
\$.35	\$1.25 \$4.50

Sowing Dates of Column or Non-Branching Stock For Various Blooming Dates

Time of Sowing	Flowering
August 1	January
September 1	February
October 1	March
November 1	April
December 1	May
January 1	Mother's Day
February 1	June
February 15	June 15

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



STOCKS

Bismarck or Branching Stocks

Early Giant Imperial

This class continues to be popular with the florist for a cut flower. It is also excellent for bedding.

BUTTERCUP—Rich yellow
CHAMOIS—Ivory, tinted old rose
DARK BLUE or PURPLE
ELK'S PRIDE—Rich deep purple
FIERY BLOOD RED
FLESH—Bright flesh
GOLDEN ROSE—Light golden rose
LAVENDER—Silvery lilac
WHITE

Tr. Pkt.	1/4 oz.	oz.
\$.35	\$1.15	\$3.50

Perpetual Branching

EMPRESS AUGUSTA VICTORIA—Silver lilac
HEATHAM BEAUTY—Golden rose
SNOWDRIFT—Clear white
MIXED

Tr. Pkt.	1/4 oz.	oz.
\$.35	\$.75	\$2.75

Beauty of Nice

AURORA—Golden buff
COTE D'AZURE—Light lavender-blue
FLESH-PINK—(Beauty of Nice)
MONT BLANC—Extra early pure white
QUEEN ALEXANDRA—Fine rosy lilac
MIXED

Tr. Pkt.	1/4 oz.	oz.
\$.35	\$.75	\$2.75

Dwarf Ten-Week (Large Flowering)

For Pot Plants and Bedding

DEEP ROSE, WHITE, LAVENDER, CARMINE PINK, PURPLE, CANARY YELLOW, BLOOD RED, MIXED.

Tr. Pkt.	1/4 oz.	oz.
\$.35	\$.55	\$2.00

SWEET PEAS — (340 Seeds in Oz.)

For Early Winter Flowering

AMETHYST, royal purple
ANNIE LAURIE, rose
APOLLO, light salmon cerise
BACCHUS, maroon purple
BALL'S ROSE IMP.
DAPHNE, soft salmon pink on cream
FRAGRANCE LAVENDER
GIANT ROSE
GRENADEIR, scarlet
GARDENIA, pure white
WHITE CHAMPION, pure white
EVENING STAR, orange scarlet
HIAWATHA, deep rose
HARMONY, clear lavender
HOPE, pure white
JEANNE MAMITSCH, rose
BALL'S WHITE
BLUE BIRD, rich blue
BOONE SALMON, pink on cream
BRIDESMAID, silvery pink
BURPEE, orange
JOSIE, rose pink
MICHIGAN, lavender
MRS. REDDICK, salmon pink
SUNRAY, cerise with cream ground
SEQUOIA, golden cerise
TOP SERGEANT, deep blood red
TREASURE ISLAND, deep orange
VALENCIA, orange
VULCAN, orange scarlet
WHITE HARMONY
ZVOLANEK'S ROSE
MIXED

oz.	1/4 lb.	lb.
\$.50	\$1.50	\$5.50

Late Spencer Outdoor Planting

AMBITION , rosy lavender	MISS CALIFORNIA , salmon pink
BONNIE BRIAR , rose pink	PINKIE , rose pink
CONSTANCE HINTON , large white	POWERSCOURT , lavender
FAIRYLAND , rose on cream	PRINCE OF ORANGE , deep orange
FORTUNE , rich blue	ROYAL PURPLE
GIGANTIC , large pure white	ELSTREE , cream picotee edged rose
HEBE , bright pink	YELLOW TIP , cream yellow
KING LAVENDER	YOUTH , white, pink picotee
KING WHITE , wavy white	
MAYFAIR , shell pink	

oz.	1/4 lb.	lb.
\$.30	\$.90	\$3.00

For Flowering Intermediate

Sow from the middle or the end of October to February in greenhouse for spring flowering.

BLUE	LAVENDER
CLEAR PINK	ROSE PINK
LIGHT LAVENDER	MAUVE
BLACK SEEDED WHITE IMP. , pure white	

oz.	1/4 lb.	lb.
\$.60	\$2.00	\$6.50

SCHIZANTHUS

DR. BADGER'S HYBRIDS—A brightly colored large flowered strain of medium height. Suitable either for pots or cutting.

BRIDAL VEIL—Pure white.

Tk. Pkt.	1/4 oz.
\$.50	\$1.25

SHAMROCK

Tr. Pkt.	1/4 oz.	oz.
TRUE IRISH	\$.20	\$.35 \$1.20

STATICE SINUATA

KEMPF'S TALL IMPROVED—Deepest blue.

LAVENDER.

ROSEA SUPERBA.

SNOW WHITE—Greatly improved white.

MARKET GROWERS BLUE—Deep blue.

YELLOW—(Bonduelli).

CHOICE MIXED.

Tr. Pkt.	oz.
\$.15	\$.30

STATICE SUWOROWI (Russian)

Tr. Pkt.	oz.
\$.25	\$1.35

VERBENA

GIANT FLOWERING HYBRIDA

GRANDIFLORA GIGANTEA

BEAUTY OF OXFORD HYBRIDS—Rose pink to rose red shades.
BRIGHTNESS—Bright cerise scarlet; white eye.
CERISE QUEEN—Salmon cerise.
CRIMSON GLOW—Glowing crimson.
ETNA—Geranium red with light yellow eye.
GIANT SALMON PINK—Salmon pink with white eye.
LAVENDER GLORY—Large flowered lavender with light eye.
LUMINOSA—Fiery pink shading to salmon.
ROYALE—Blue with creamy yellow eye.
SPECTRUM RED—Intense bright red.
WHITE—Pure white.
MIXED.

Tr. Pkt.	1/4 oz.	oz.
\$.50	\$.75	\$2.50

VINCA (Periwinkle)

An excellent bedding plant. Sow seed in August or September.

ALBA PURA —Pure white	WHITE WITH EYE
KERMESINA —Crimson	ROSA —Pink

Tr. Pkt.	1/4 oz.	oz.
\$.30	\$.50	\$1.80

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IRWIN'S CHOICE FLOWER SEEDS

ZINNIA — (About 2,000 Seeds in Oz.)

Giants of California

BRIGHTNESS, bright pink
CRIMSON
LAVENDER GEM
GOLDEN ORANGE
SCARLET
WHITE
BUTTERCUP

BURNT ORANGE
CANARY YELLOW
GOLDEN QUEEN
LIGHT PINK
SALMON
VIOLET
MIXED

The Above — \$.25 per tr. pkt.; \$1.10 per oz.; \$13.50 per lb.

Dahlia Flowered 3 Ft.

ATTRACTION, brick red
BUTTERCUP, yellow
CANARY BIRD, canary yellow
CRIMSON MONARCH, deep crimson
DREAM, rosy lavender
ELDORADO, rose on salmon
EXQUISITE, light rose
GOLDEN DAWN, golden yellow
GOLDEN STATE, rich orange
ILLUMINATION, deep rose

LUMINOSA, deep pink
METEOR, deep red
OLD GOLD
OLD ROSE, rose shades
ORIOLE, orange and gold
POLAR BEAR, pure white
PURPLE PRINCE, deep purple
SCARLET FLAME, scarlet
WILL ROGERS, scarlet red
IRWIN'S SPECIAL, mixed

The Above — \$.25 per pkt.; \$1.25 per oz.; \$14.00 per lb.

Lilliput 18 to 24 in.

BURNT ORANGE
CANARY YELLOW
CRIMSON GEM
LILAC GEM
PINK GEM

PURPLE GEM
ROSE BUD
SALMON GEM
WHITE GEM
PASTEL SHADES

IRWIN'S SPECIAL, mixed

The Above — \$.25 per pkt.; \$1.25 per oz.

Zinnia Novelty

	Tr. Pkt.	oz.
CUPID, button type dwarf mixed	\$.20	\$1.60
HAAGEANA DOUBLE MEXICAN HYBRIDS .....	.15	1.75
HARMONY TYPE SCABIOSA, flowered, mixed .....	.25	2.00
LINEARIS, single orange, two-tone dwarf .....	.15	2.00
SUPER CROWN of gold pastel tints .....	.25	1.25
HOWARD'S NEW GIANT CRESTED, mixed .....	.30	2.00

PERENNIAL SEEDS

We carry a full line at market prices. Send us your order.

VEGETABLE SEEDS

BROCCOLI —

	per oz.	1/4 lb.
Italian Calabrese	\$.40	\$1.35

CABBAGE —

	per oz.	1/4 lb.
All Season Resist	\$.50	\$1.50
Copenhagen Market .....	.60	1.50
Danish Ball Head (Sort Stem) .....	.65	1.50
Early Flat Dutch .....	.50	1.50
Early Jersey Wakefield .....	.50	1.50
Golden Acre .....	.55	1.50
Premium Flat Dutch .....	.50	1.50

CAULIFLOWER —

	1/4 oz.	per oz.
Snowball	\$1.00	\$3.00
Snowdrift	1.00	3.00

CELERY —

	per oz.	1/4 lb.
Golden Self Blanching (Short)	\$.90	\$2.50

EGGPLANT —

	per oz.	1/4 lb.
Black Beauty	\$.60	\$2.25
New York Purple Imp. ....	.60	2.25

LETTUCE —

	per oz.	1/4 lb.
Black Seeded Simpson	\$.20	\$.75
May King .....	.20	.75
Big Boston .....	.20	.75
Grand Rapids Forcing .....	.20	.75

ONION —

	per oz.	1/4 lb.
Southport Red Globe	\$.75	\$2.50
Southport Yellow Globe .....	.75	2.50
Ideal Southport White Globe .....	.75	2.50

PARSLEY —

	per oz.
Champion Moss Curled	\$.20
Plain .....	.20

PEPPER

	per oz.	1/4 lb.
Cavanne Long Red	\$.60	\$2.00
California Wonder .....	.70	2.50
Harris Early Giant .....	.65	2.25
Large Bell, Sweet .....	.70	2.25
Pimento Perfection .....	.45	1.50
Ruby King .....	.65	2.25
World Beater .....	.60	2.00

RADISH

	per oz.	1/4 lb.
Scarlet Globe (Short Top)	\$.15	\$.45
Scarlet Turnip (White Top) .....	.15	.45
White Icicle .....	.15	.45
White Icicle (Short Top) .....	.15	.45
Bloomsdale .....	.15	.45
New Zealand .....	.25	.45

TOMATO

	per oz.	per lb.
Bonny Best	\$.60	\$6.00
Break O'Day .....	.60	6.00
Dwarf Champion .....	.70	7.00
Earliana .....	.70	7.00
John Baer .....	.60	6.00
Marglobe .....	.60	6.00
New Stone Imp. ....	.65	6.50
Michigan State Forcing	1.50	
Ventura Forcing	1.25	12.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



AGERATUM

Spring and Fall Delivery
2 1/4 in. and R/C.

IRWIN'S PURPLE BEAUTY. Best Ageratum on the market. Particularly free flowering and low growing; also makes a grand pot plant.

IRWIN'S CUT FLOWER AGERATUM. A fine cut flower for Winter growing under glass. Grows to about 18-24 in. tall.

CARDINAL MUNDELEIN.

FRASERI IMP.

RIERSIDE IMP.

STULBS IMP.

Write for prices.

ALTERNANTHERA

Delivery Spring and Fall
2 1/4 in. and R/C.

AUREA NANA, Yellow.

BRILLIANTISSIMA, Red.

ALYSSUM

Spring Delivery
R. C.'s and 2 1/4's

DOUBLE SWEET.

ASPARAGUS

Delivery in Spring
Seedlings, 2 1/4 and 3"
SPRENGERI

PLUMOSUS

AZALEAS

Fall Delivery
October to December 1st shipment

Fine lot of Eastern (New Jersey grown) Coral Bells only certified stock.

4-5" heads	@	\$ 45.00 per 100
5-6" heads	@	60.00 per 100
6-7" heads	@	80.00 per 100
8-9" heads	@	100.00 per 100

Packing extra at cost.

Well budded dormant stock, October-November delivery. Shipments after December 1st subject to 10% storage charges. Following are F.O.B. Ohio and include packing charges.

KURUME VARIETIES: Coral Bells, Hexe, Madam Pericat, Sweetheart Supreme, Salmon Beauty, Snow, Pink Pearl.

4-6" heads	\$ 50.00 per 100
6-7" heads	75.00 per 100
7-8" heads	100.00 per 100
8-10" heads	125.00 per 100
10-12" heads	150.00 per 100
12-14" heads	200.00 per 100

INDICA VARIETIES: (own root) Triomphe, Jean Haerens, Vervaeana, Eclairer.

3-5" heads	\$.50 each
6-8" heads	1.00 each
8-10" heads	1.50 each

AZALEAS

(Spring Shipment — For Growing On)

2 1/4" size grown in flats, late winter to June delivery. The following F.O.B. New Jersey.

INDICA VARIETIES: (own root) Jean Haerens, Mme. Petrick, Paul Schame, Triomphe, Vervaeana, Vervaeana Alba, Albert and Elizabeth, Van Der Cruyssen.

per 100—\$17.50	per 1000—\$160.00
KURUME and DWARF TYPES: Charles Encke, Coral Bells, Hexe, Hinodegiri, Pink Pearl, Purple Heart, Salmon Beauty, Snow, Sweetheart Supreme.	
per 100—\$14.00	per 1000—\$125.00

AZALEAS For Growing On (Spring)

The smaller sizes and early shipments are F.O.B. Florida. The later shipments and larger sizes are F.O.B. Ohio.

Rooted Cuttings	\$ 50.00 per 1000
3-5 branched transplants, strong	100.00 per 1000
5-10 branched transplants, heavy	125.00 per 100
3-5" heads	20.00 per 100
4-6" heads	30.00 per 100
6-8" heads	50.00 per 100
8-10" heads	75.00 per 100

KURUME VARIETIES: Coral Bells, Hexe, Salmon Beauty, Snow, Hinodegiri, Pink Pearl, Hexe de Saffelaere, Orange Coral Bells, Lorraine, Massasoit.

PERICAT VARIETIES: Sweetheart Supreme, Madam Pericat, Pink Pericat, Twenty Grand, Gardenia Supreme, Sweetheart, Jersey Bell, Pride, Dawn, Splendor, China Sea, Baby Pericat, etc.

SOUTHERN or REGULAR SINGLE FLOWERED INDICAS: Hortensia, Concinna, Formosa, Fielders White, Brilliant, Pride of Mobile, Prince of Orange, Pride of Dorking, Duc De Rohan, Coccinea Major, Duke of Wellington, McCrantha Pink & Orange, Elegans.

BELGIAN or LARGE FLOWERED INDICAS: (own root) Paul Schame, Jean Haerens, Triomphe, Mme. Van der Cruyssen, Eclairer, Vervaeana, Vervaeana Alba, Niobe, Albert and Elizabeth, Comte de Kerchove, Ernest Eeckhaute, Dame Melanie (red, white and pink. The smaller sizes and early shipments are F.O.B. Florida. The later shipments and larger sizes are F.O.B. Ohio.

Rooted Cuttings	\$ 75.00 per 1000
Transplants	150.00 per 1000
3-5" heads	30.00 per 100
4-6"	50.00 per 100
6-8	75.00 per 100

FLOWERING BEGONIAS

STANDARD VARIETIES

Delivery—January to Spring
2 1/4 and 3". Write for prices.

CHRISTMAS CHEER

LADY MAC

GENESEE BEAUTY

LUMINOSA

MARJORIE GIBBS

MELIOR

PINK PEARL

PRIMA DONNA

RED PEARL

REX MIXED—(Greenhouse varieties)

BELOPERONE GUTTATA

Spring Delivery

SHRIMP PLANT, 2 1/4 in.\$10.00 per 100

BOUGAINVILLEA

Spring and Fall Delivery

CRIMSON LAKE, Red, 2 1/4 in.\$20.00 per 100

BOUVARDIA 2 1/4"

Delivery, May to November

ALBATROSS —White	\$20.00 per 100
GIANT PINK	25.00 per 100
HUMBOLDT —Large white	20.00 per 100
CHRISTMAS RED	20.00 per 100

BUDDLEIA 2 1/4"

For Spring—Field Plants for Fall

ASIATICA—White for forcing.

CHARMING—Large lavender pink trusses.

FORTUNE—Rose lavender.

BROWALLIA 2 1/4"

Delivery December to May

SPECIOSA MAJOR —Dark blue.	
per 100	per 1000
\$10.00	\$95.00

CACTI and SUCCULENTS FROM CALIFORNIA

Available at all times

No.		per C	per M
1.	Assorted STANDARD Cacti and Succulents. General Assortment of plants suitable for Dish Gardens or individual pots, 10 or more varieties, 2 to 2 1/2 inch pot size	\$4.00	\$35.00
2.	Assorted SELECT Cacti and Succulents. Includes the better, most durable and showier types of Succulents and Cacti, in 20 or more varieties—this is our best all around commercial assortment	5.50	50.00
3.	Assorted CHOICE Cacti and Succulents. Limited to the more valuable, hard Succulents and most desirable Cacti, selected for keeping quality, odd shape and beauty	7.00	
4.	Assorted SUCCULENTS. General assortment of Succulents in interesting and colorful array; and nice to work with since they have no stickers	4.00	35.00
5.	Assorted TINY CACTI and Succulents for miniature bowls or tiniest pots	3.00	
7.	Assorted ALL-CACTUS. Various types and shapes from both cuttings and seedlings, in good selection; nice for Cactus Gardens	5.00	45.00
9.	COLLECTION for FANCIERS. Fifty named varieties of Cacti and other Succulents such as Euphorbias, Haworthias, Echeverias, etc., and including all leading forms	8.00	
10.	Assorted DISH GARDEN PLANTS. Small foliage plants such as Billbergias, Variegated Ivy, Philodendron, Peperomias, Boxwood, together with compatible Succulents, designed for humid Dish Gardens	8.50	

Prices F.O.B. California. 500 or more at thousand rate. Send for complete list.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



CALCEOLARIAS 2 1/4"

EASTER VARIETIES: Multiflora Nana, Multiflora Nana—Gilbert's Strain, Triumph.

(Delivery October and Later)
Seedling Types @ \$16.00 per 100

MOTHER'S DAY VARIETIES: Greater New York, Mary Louise (New), Pure Flame, Sensation, Pink Perfection, Stewartii, Pink Beauty, Rosackers Brilliant, Imp. Perfection, Golden Talisman, Cherry Queen.

Varieties Grown from Cuttings @ \$25.00 per 100

CHINESE EVERGREENS

Delivery All Season
Write for prices.

Available in all sizes.

CHRYSANTHEMUMS

Write for Special Mum Catalogue

CINERARIAS 2 1/4"

(Delivery August and Later)

CREMER'S STRAIN.
SITER'S RAINBOW STRAIN.
MULTIFLORA NANA.

per 100	per 1000
\$9.00	\$85.00

COLEUS (Rc's and 2 1/4's)

Spring Delivery

AMERICAN BEAUTY	HOLLYWOOD RED
BECKWITH GEM	IMPROVED HARDING
BRILLIANCY	QUEEN VICTORIA
CHRISTMAS GEM	RED TRAILING QUEEN
GOLD BOUND	TRAILING QUEEN
GOLDEN BEDDER	VERSCHAFFELTI

Write for prices.

CRASSULA ARBORESCENS (Jade Plant)

Continuous Delivery

Unrooted, Rooted and Plants in All Sizes—Send for Special Prices.

CROTONS 2 1/4's

Continuous Delivery

ASSORTED VARIETIES. Well colored\$20.00 per 100

CYCLAMEN—Binnewies Strain

Twice Transplanted, 3-5 leaves, January-May.

Twice Transplanted, 5-8 leaves, January-May.

2 1/4 in. April-August.
3 in. May-October.
4 in. June-December.
5 in. July-December.
6 in. August-December.

Write for prices.

DAHLIAS

Spring Delivery

Write for special list.

DAISIES 2 1/4"

Delivery—Spring and Fall
Write for prices.

ADMIRAL BYRD—Double frilled Shasta Daisy.
BLUE AGATHEA COELESTIS.
BOSTON YELLOW IMP.

DAPHNE CNEORUM

Fall Delivery and Later

Regular nursery grade—balled and burlapped in all sizes.

DRACAENA (2 1/4 and larger)

Spring-Fall Delivery

INDIVISA
GODSEFFIANA
MASSANGEANA
SANDERIANA

Write for prices.

DUSTY-MILLER 2 1/4"

Spring Delivery

SENECIO LEUCOSTACHYS 9.00 per 100

EUPHORBIA 2 1/4"

Delivery—June and Later

JACQUINIAEFLOA
SPLENDENS (Crown of Thorns)

FERNS—2 1/4"

Spring Delivery and Later

per 100—\$80.00	per 1000—\$725.00
-----------------	-------------------

CIBOTIUM SCHIEDEI—

Larger sizes of the above also available. Write for prices.

FERNS 2"

DWARF BOSTON
REGULAR BOSTON
ROOSEVELT

SCOTTI
VERONA
WHITMANII

per 100—\$11.00	per 1000—\$100.00
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RUNNERS OF THE ABOVE

per 100—\$8.50	per 1000—\$80.00
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On orders for 500 or more at the thousand rate.

PTERIS (table) FERNS

Seedlings from flats: app. 150-168 per flat.

ADIAANTOIDIS
MAYII
LINEATA
TREMULA

WILSONII
RIVERTONIANA
ARGYREA
VICTORIA
FLABELLATA

On the above \$5.00 per flat.. On orders for 25 flats @ \$4.50 per flat. Mixed — \$5.00 per flat.

FORGET-ME-NOTS 2 1/4"

IRWIN'S GREENHOUSE FORCING. Ready late August.

FUCHSIAS (Rc's and 2 1/4's)

Spring and Fall Delivery

IRWIN'S PINK PEARL.
BLACK PRINCE
GIANT PINK
LITTLE BEAUTY

LORD BYRON
PRIDE OF ORION
MIXED VARIETIES

GARDENIAS 2 1/4 and 3"

Delivery—Spring and Summer
HADLEY

BELMONT

VEITCHI

GERANIUMS 2 1/4"

Continuous Delivery

BETTER TIMES
FIAT PINK
FIAT ENCHANTRESS
FIAT RED
IMP. RICARD
IRVINGTON BEAUTY
MME. LANDRY

OLYMPIC RED
POITEVINE IMP.
RADIO RED
SALMON SUPREME
SPRINGFIELD WHITE
SPRINGFIELD VIOLET

Write for prices and Complete List

MRS. EASHUM outstanding new light pink. @ \$25.00 per C

GYPSOPHILA

2" and 3" Pot Plants in Spring, Field Plants in Fall and Spring
FLAMINGO RED—(New).
BRISTOL FAIRY

HELIOTROPE

RC's and 2 1/4's

Delivery Spring and Fall

CENTEFLEUR—Dark sweet.
ELSA—Giant dark blue.
SWEET SCENTED—Old-fashioned.
TRUE ROYAL FRAGRANCE—Deep blue.

100—1000	100—1000
\$3.50	\$30.00
\$6.00	\$55.00

HYDRANGEAS

Rooted cuttings and 2 1/4" spring delivery, larger sizes and dormant stock for Fall. Write for special list.

IVY

Continuous Delivery

RC's and 2 1/4"

ALBANY DWARF TREE—
Fine for dish work
ENGLISH
ENGLISH VARIEGATED
RHOMBIFOLIA (Grape or Vitis)

HAGENBURGER'S VARIEGATED
HAHN'S SELF BRANCHING
MINIATURE LEAF
MINIATURE LEAF VARIEGATED
MAPLE QUEEN

KALANCHOE

2 1/4"

Spring Delivery

GLOBULIFERA COCCINEA
TOM THUMB

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



LANTANAS (Rc's and 2 1/4's)

Delivery Fall till Spring

ALBA PERFECTA—Pure white (tall)
CAPRICE—Pink dwarf
DWARF BEAUTY—Yellow to pink
GOLDEN KING—Yellow
GOLDEN PLUME—Gold to reddish bronze
MICHAEL SCHMIDT—Red, orange and yellow
RADIATION—Brilliant red, center orange yellow
SENSATION—Yellow to pink
SNOW WHITE—White (dwarf)
SOUTHERN—Yellow and pink
TETHYS—Lemon yellow.
WEEPING—Lavender, drooping habit
BEST MIXTURE

LEMON-VERBENA

Spring Delivery

MUMS

Write for special MUM catalogue

MYRTLE-HARDY

Spring and Fall Delivery

Strong Field Clumps, 6-8 leads.
 8-10 leads.

NEPHTHYTIS (Rc's and 2 1/4's)

Continuous Delivery

LIBERICA—3 leaves up 4/8 in.
EMERALD GEM 1000—\$40.00

NIEREMBERGIA 2 1/4"

Spring Delivery

HIPPOMANICA—Blue dwarf.
SPECIOSA—Lavender blue. For pots or borders.

PACHYSANDRA TERMINALIS

Spring and Fall Delivery
 (Ground Cover)

Rooted Cuttings and 2 1/4's.

PALMS

Continuous Delivery

KENTIA FORSTERIANA—2 1/4" and single plants. Made up plants—write for prices.
PHOENIX ROEBELII—2 1/4". Single and made up plants—write for prices.

PANDANUS VEITCHI

Continuous Delivery

6-8 in. Unrooted Cuttings 3 in.
 10-14 in. 4 in.
 15-18 in. 6 in.
 2 1/2 in. pot size Rooted

PELARGONIUMS

Spring and Fall Delivery

Large choice of varieties available in 2 and 3" sizes. Write for special list.

PEPEROMIA

Rc's and 2 1/4's

Continuous Delivery

OBTUSIFOLIA.
SANDERSI—(Watermelon Begonia).
VARIATED.

Write for Prices

PETUNIAS (Rc's and 2 1/4's)

January and Later

DOUBLE

LAVENDER
PINK
PURPLE
ROSY MORN
VARIATED PURPLE and WHITE
VICTORIOUS
WHITE
WORLD BEAUTY
EXTRA CHOICE MIXED

SINGLE

ROSY MORN IMPROVED
BALCONY WHITE
BALCONY ROSE
BALCONY RED
BALCONY BLUE
GIANTS OF CALIFORNIA
RUFFLED GIANTS
HOWARD'S STAR IMPROVED
MIXED

PHILODENDRONS (Rc's and 2 1/4's)

Continuous Delivery

CORDATUM

POTHOS, VARIATED—(Devils Ivy)

POINSETTIAS (Stock Plants)

Delivery April-May

Prices F.O.B. Jersey City, Boston, Philadelphia, Chicago, provided order is placed before January 1, plus 10% after that date.

Varieties

Sizes:	Jumbo	#1	#2	#3	#4
ALBERT ECKE	\$100.00	\$ 80.00	\$60.00	\$50.00	\$35.00
VARIATED RUTH ECKE	100.00	80.00	60.00	50.00	35.00
WHITE ECKE	100.00	80.00	60.00	50.00	35.00
INDIANAPOLIS RED	150.00	120.00	90.00	60.00	40.00
MRS. PAUL ECKE	95.00	70.00	50.00	35.00	25.00
OAK LEAF	95.00	70.00	50.00	35.00	25.00
RUTH ECKE	95.00	70.00	50.00	35.00	25.00
DOUBLE HENRIETTE ECKE	95.00	70.00	50.00	35.00	25.00
BARBARA ECKE	95.00	70.00	50.00	35.00	25.00
ST. LOUIS	95.00	70.00	50.00	35.00	25.00
PINK	95.00	70.00	50.00	35.00	25.00

2 1/4" plants in above varieties available at market prices August to October.

POTHOS ARGYREA 2 1/4"

Continuous Delivery

SILVER SPOTTED PHILODENDRON.

PRIMULA OBCONICA

Delivery July and Later

ALBA—White
APPLE BLOSSOM—Pink
COERULEA—Blue
FASBENDER
FRIESDORFER—Salmon
MOHNSTEIN—Red
MUELLER ROSEA
SALMON QUEEN

PRIMULA MALACOIDES

Delivery July and Later

GLORY OF RIVERSIDE
PURE WHITE—(Imp.)
ROSEA SUPERBA
NEW BABY IMP.
ERICKSSONI BABY ROSE
ERICKSSONI BRILLIANCY

ROSES

Fall and Winter Delivery

Limited supply of Climbers, Hybrid Perpetuals, Hybrid Tea and Polyantha types. Well grown mid-west, full grown stock in XXX, XX, #1 1/2 and #1 grades. Write for list.

RUBBER PLANTS

Continuous Delivery

FICUS ELASTICA—Mossed rooted layers.

SAINTPAULAS 2"

BLUE BOY	@ \$25.00 per 100
BLUE GIRL	@ 25.00 per 100
PINK BEAUTY	@ 25.00 per 100
WHITE LADY	@ 35.00 per 100
BLUSHING MAIDEN	@ 50.00 per 100

SANSEVIERIAS

Continuous Delivery

LAURENTI.
ZEYLANICA.
 Large supply of all sizes. Write for prices.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

IRWIN'S QUALITY PLANTS and CUTTINGS

SNAPDRAGONS 2 1/4"

Delivery—August and Later

@ \$5.50 per 100

\$50.000 per 1000

BALL'S LAVENDER	ROSE QUEEN
BALL'S RED	WHITE WONDER
AFTERGLOW	LUCKY STRIKE
DORCAS JANE	JUNGLEWOOD WHITE
CHRISTMAS CHEER	MARGARET
CHEVIOT MAID #33	KOESTERS WHITE
BETTER TIMES	PEACE
MARYLAND PINK	KLONDYKE SUPREME
MARY ELLEN	ETHEL
PEGGY SCHUMANN	CAROL JANE
LAVENDER SCHUMANN	GLORIOUS
RED SCHUMANN	LADY DOROTHY

SPIREA CLUMPS

See page 21

Send for complete list with descriptions and prices.

SUCCULENTS

Special group of small plants Florida grown and shipped direct from one warehouse. Available at all seasons F.O.B. Florida. Price includes packing.

	per 100
SANSEVIERIA LAURENTII—2 leaf, 12/24"	\$12.50
SANSEVIERIA LAURENTII—3, 12/24"	16.00
SANSEVIERIA LAURENTII—Rosettes—3-4, 4/8"	15.00
CRASSULA ARBORESCENS—2 1/4 inch	10.00
CRASSULA ARBORESCENS—3	19.50
DRACEANA GODSEFFIANA—2 1/4	12.50
DRACENA GODSEFFIANA—3	25.00
NEPHTHYTIS—RC	5.00
NEPHTHYTIS—BR	8.50
NEPHTHYTIS—2 1/4	10.00
NEPHTHYTIS—3	19.50
SANSEVIERIA ZEYLANICA BR—3 leaf, 7/12"	10.00
SANSEVIERIA ZEYLANICA—Rosettes—2 1/4	12.50
EUPHORBIA SPLENDENS (Crown of Thorns)—2 1/4 inch	10.00
EUPHORBIA SPLENDENS—3	19.50
POTHOS WILCOXII (Devils Ivy)—2 1/4	12.50
POTHOS AUREUS—2 1/4	10.00
POTHOS AUREUS—3	19.50
PEPEROMIA OBTUSIFOLIA—RC	6.50
PEPEROMIA OBTUSIFOLIA—BR	8.50
PEPEROMIA—2 1/4	10.00
PEPEROMIA—3"	19.50
PHILODENDRON CORDATUM—2 1/4	10.00
PHILODENDRON CORDATUM—3	19.50
ASST. FLORIDA CACTI—BR	8.50
ASST. FLORIDA CACTI—2 1/4	10.00

VERBENAS

Spring and Fall Delivery

RC's and 2 1/4's

BEAUTY OF OXFORD. Cerise	LAVENDER GLORY.
BEAUTY OF OXFORD. Lavender	MAYFLOWER. Light pink
BEAUTY OF OXFORD. Pink	PURPLE PRINCE. Solid purple
BEAUTY OF OXFORD. Scarlet	no eye
CERISE PINK.	ROYAL PURPLE. Purple with eye
COMET. Solid crimson red	SCARLET KING. Bright red
HELEN WILMOTT IMP. Salmon	WHITE. Pure white

Available in RC's and 2 1/4's.

VINCAS

Well variegated

Rooted Cuttings—Delivery Feb. and later.
 Rooted Layers—Fall Delivery.
 2 1/4 in. pot plants—Delivery Feb. and later.
 3 in. pot plants—Delivery March and later.
 Field Clumps—Fall Delivery.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

CARNATION CUTTINGS OUR SPECIALTY



Our display of Carnation Winners shown at The New York Florists' Club (Carnation Night) held at Hotel Pennsylvania February 1946. **Signe Hasso** (United Artists Star) is holding our Gold Medal Varieties.

Mr. Carnation Grower:

For over 35 years, Carnations have been one of my specialties. Growers from coast to coast and all parts of Europe have told me that the many new carnations introduced by me have been the best.

Before recommending new carnations I make sure of their commercial merit and see them growing several times. I consider the keeping and shipping qualities of new Carnations most important. They must be free flowering with good stems and clean, healthy growers.

In addition to specializing in Carnations in this country, my export business on Carnations has been built up to considerable volume as a result of my recommendation of the best varieties introduced in America. I give particular attention to foreign orders as to special packing, and am familiar with regulations and other details regarding exporting, such as obtaining permits, certificates, etc.

When interested in new varieties write me and I will gladly give you my candid opinion.

ROMAN J. IRWIN



CARNATION ROOTED CUTTINGS

WHITE VARIETIES

	per 100	per 1000
ARUNDEL, (X)	\$12.00	\$100.00
COLONEL BLIMP, Seedling	20.00	150.00
GRASSL'S WHITE, Seedling	12.50	110.00
MERCURY	15.00	125.00
NORTHLAND, (X)	15.00	125.00
OLIVETTE	8.50	75.00
PATRICIAN	8.50	75.00
PURITAN	7.00	60.00
WHITE JOHN BRIRY	15.00	125.00
WHITE PETER FISHER	8.50	75.00

LIGHT & SALMON PINK

BLUSH PETER FISHER	\$ 8.50	\$ 75.00
CHARM, (P)	20.00	150.00
ELEANOR	8.50	75.00
IDA	8.50	75.00
MELLOW PINK	8.50	75.00
NETTA, (A)	20.00	150.00
SALMON VIRGINIA	12.00	100.00
SPIRIT OF ST. LOUIS, (A)	17.50	150.00
VIRGINIA, (X)	8.50	75.00
VIRGINIA HERCULES, (X)	15.00	125.00
LIGHT PINK PATRICIAN	12.00	100.00

MEDIUM & DARK PINK

BAUM'S SUPREME, (A)	\$20.00	\$150.00
CANUP'S PRIDE, (A)	20.00	150.00
CHALFONT, (A)	20.00	150.00
DARK PINK PETER FISHER	8.50	75.00
DARK PINK PATRICIAN	12.00	100.00
DARK PINK VIRGINIA	15.00	125.00
DERIGO	9.50	85.00
JOHN BRIRY, (X)	8.50	75.00
PETER FISHER	8.50	75.00
MRS. VIRGINIA IRWIN, (A)	20.00	150.00
SCHAEFFER'S PINK, (A)	20.00	150.00
SIDNEY LITTLEFIELD, (XA)	20.00	150.00
VIRGINIA MILLER	15.00	125.00
VIRGINIA ROSE, (X)	8.50	75.00
VIRGINIA SUPREME	15.00	125.00
VIVIAN	8.50	75.00

RED

BARBARA FARR	\$ 8.50	\$ 75.00
KING CARDINAL, (P)	12.00	100.00
No. 16 RED	15.00	125.00
RED SETH PARKER	12.00	100.00
TOM KNIPE, (P)	20.00	150.00
VICTORY RED	12.00	100.00
WILLIAM SIM, (P)	20.00	150.00

CRIMSON

BEUERLEIN'S CRIMSON	\$ 8.50	\$ 75.00
MRS. C. W. WELD	12.00	100.00
OLYMPIC, (A)	20.00	150.00
SETH PARKER, (P)	20.00	150.00
WOBURN	8.50	75.00

YELLOW

MILLER'S YELLOW	\$12.00	\$100.00
MAINE GOLD	8.50	75.00

VARIEGATED & NOVELTY

BARBARA BRIGHAM	\$ 8.50	\$ 75.00
FROSTED PATRICIAN	8.50	75.00
GOLDEN WONDER	8.50	75.00
HARLEQUIN (XA)	20.00	150.00
LOCHINVAR, (X)	8.50	75.00
MARCHIONESS OF HEADFORT	12.00	100.00
MARY STUART	25.00	
No. 14 CRIMSON, (A)	15.00	125.00
ORCHID BEAUTY	12.00	100.00
PELARGONIUM	15.00	125.00
SCARLET KING	15.00	125.00
SYLVIA, (A)	20.00	150.00

(P)—Patented Varieties

(A)—Agreement Varieties

(X)—Our Exclusive Introduction

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



FOR SPRING AND FALL PLANTING

AMARYLLIS BULBS — Meads Hybrids

2½ inch	\$20.00	\$175.00
3 to 3½ inches	30.00	275.00
4 inches	55.00	
5 inches	70.00	

ANEMONES — Fall Delivery

MONARCH DeCAEN. Single poppy type.
ST. BRIGID. "Creagh Castle" double.
BLUE POPPY. Bright blue. Single.
HIS EXCELLENCY. Bright scarlet. Single.
THE BRIDE. Pure white. Single.

5/8-3/4"	@ \$35.00 per 1000	\$4.25 per 100
3/4-7/8"	@ 42.50 per 1000	5.00 per 100
7/8" up	@ 50.00 per 1000	5.50 per 100

BEGONIAS - TUBEROUS (ROOTED)

Delivery January and Later

DOUBLE CAMELIA. Flowered.

WHITE	YELLOW
RED	ORANGE
SCARLET	SALMON
ROSE	APRICOT
PINK	

	per 100	per 1000
1½ to 2"	\$15.00	\$140.00
2" up	21.50	200.00

BLEEDING HEART (Roots)

DICENTRA SPECTABILIS \$45.00 per 100.

CALADIUMS (Fancy Leaved)

	per 100	per 1000
Separate named varieties, 1½ to 2½"	\$15.00	\$140.00
Jumbo, 2½ to 3½"	25.00	225.00
Mammoth 3½" up	35.00	
Exhibition mixture, 1½ to 2½"	14.00	135.00

Special descriptive colored folder mailed on request.

CALADIUM ESCALENTUM

(Elephant's Ear)

7 to 9" and 9 to 11". Write for prices.

CANNA ROOTS

EUREKA. 4 ft., best white, green leaf.
KING HUMBERT. 4 ft., orange scarlet, bronze leaf.
MRS. A. F. CONARD. 4 ft., salmon pink.
THE PRESIDENT. 4 ft., rich scarlet, green leaf.
WYOMING. Scarlet, green leaf.
YELLOW KING HUMBERT. 4 ft., yellow, softly spotted red green leaf.

\$6.00 per 100 \$55.00 per 1000

CROCUS (Holland Grown) Tops

WHITE	YELLOW
STRIPED	PURPLE
	BLUE
\$2.00 per 100	\$18.00 per 1000

FREESIAS

FREESIAS. STANDARD COMMERCIAL VARIETIES. Prices per M.

PURITY	WHITE CHIEF	
GOLDEN DAFFODIL	APOTHEOSE	
SUNSET	RAINBOW MIXTURE	
1½-5/8	5/8-¾	¾ up
\$12.00	\$20.00	\$30.00

ACHIEVEMENT
GOLDEN WONDER
ORCHIDEA

1½-5/8
\$15.00

PINK SUPREME
ROSE SUPREME
GOLDEN TREASURE

5/8-¾
\$22.50

SCHROEDERS WHITE PERFECTION.

1½-5/8 5/8-¾ ¾-7/8
\$16.00 \$25.00 \$35.00

FREESIA TECOLOTE HYBRIDS. Flowers of immense size, wide open and delightfully fragrant. Plants of unusual strength and vigor. Tall strong stems. Much finer than the Standard Commercial Varieties.

PURE WHITE	FINEST BLUE
LIGHT YELLOW	PINK
ROSE	PURPLE
BRIGHT RED	MIXTURE
LAVENDER	

TECOLOTE "TALISMAN" PAT. #555. Bright orange pink with rich cream throat. Early.

1½-5/8 5/8-¾
\$22.50 \$30.00

"MARIE" PAT. #609. Sold out. This gorgeous pure white freesia is a very early bloomer, has immense wide open flowers of great substance and is delightfully fragrant. Plants are healthy and vigorous and keeping qualities are outstanding.

1½-5/8 5/8-¾
\$35.00 \$45.00

FREESIAS. ELDER'S VARIETIES.

ELDER'S GIANT WHITE. Late blooming.

BLANCHE BLUE. One of the best large blue freesias.

ROSY MORN. Very large rose.

FLO. Large flowering deep blue.

ELDER'S RED. Giant red.

ELDER'S DOUBLE WHITE. Fine large double white flowers.

1½-5/8 \$17.50
5/8-¾ \$24.00

GLOXINIA BULBS

Delivery January and Later

BLANCHE DE MERU. Pinkish rose, white throat.

EMPEROR FREDERICK. Scarlet bordered white.

EMPEROR WILLIAM. Violet bordered white.

ETOIL DE FEU. Light scarlet, compact growth.

MONT BLANC. Clear white.

PRINCE ALBERT. Darkest violet, frilled.

PRINCESS ELIZABETH. Light blue, white throat.

TIGRINA. Spotted in a mixture of pink, blue, purple, red and white.

VIOLACEA. Soft violet.

Prices on all above varieties:

	per 100	per 1000
1½ to 2"	\$16.00	\$140.00
2" up	27.00	240.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



GLADIOLUS BULBS

Clean Healthy high crown bulbs, up to size. Free from disease and thrip.

#1 and #2 bulbs—Write for complete list and prices

PINK, SALMON AND ROSE SHADES

- BETTY NUTHALL.** Salmon pink, yellow throat markings.
- *DEBONAIR.** LaFrance pink, cream throat.
- *EARLY ROSE.** Extra fine early dark rose.
- *ETHEL CAVE COLE.** Pure light pink. Rose flecking at edges of petals. Excellent cut flower and market variety.
- *MARGARET FULTON.** Clear rose salmon.
- *PICARDY.** Large salmon pink.
- *ROSA VAN LIMA.** Fine rose pink.
- *ROSY MORN.** Beautiful light coral rose, flaked darker, with white throat.
- BAGDAD.** Large smoky old rose.
- *MOTHER MACHREE.** Beautiful golden smoky lavender.
- VAGABOND PRINCE.** Mahogany brown with flame-scarlet blotch.

WHITE AND CREAM SHADES

- *ALBATROSS.** Quality white.
- *CORONA.** Creamy white shading to cream toward the throat, with rose picotee edging.
- *MAID OF ORLEANS.** Creamy white.
- *MARGARET BEATON.** Snow white with a tiny scarlet eye deep in the throat.
- *MYRNA.** Exhibition ruffled cream, 7 to 10 large, well placed ruffled blooms on straight spike. Excellent commercial.
- *POLAR ICE.** Early pure white.
- *SILENTIUM.** White blending to cream, with carmine marking in throat.
- *SNOW PRINCESS.** Creamy white.
- *VREDENBURG.** Early pure white.
- *WANDA.** A rich cream sport of Picardy.
- *WHITE PICARDY.** Contains 80% Selected Improved Picardy and 20% White Picardy.

RED AND MAROON SHADES

- *BEACON.** Bright rose scarlet, large cream blotch.
- *BLAZE.** Light scarlet. Many florets open on 4 ft. spikes. One of the finest cut flower varieties.
- *DR. F. E. BENNETT.** Large scarlet.
- *JULES AMOT.** Beautiful shade of red, lighter than Commander Koehl, one of its parents, but a bit earlier flowering. Strong heavy spike and stem with many open flowers. Excellent for market.
- *RED CHARM.** New crimson red, 8-9 large open blooms on straight spike. Placement perfect. Excellent commercial.
- *ROCKET.** Rich scarlet-red, 7 to 8 medium large perfectly placed florets on a long spike. Excellent commercial.
- STOPLIGHT.** Fine textured clear medium deep red. Excellent cut flower. Perfect placement.
- *VALERIA.** Excellent early scarlet. Deeper and better color than Dr. Bennett and a better performer. Good propagator.

BUFF, ORANGE AND YELLOW SHADES

- GOLDEN CHIMES.** Beautifully ruffled large light yellow.
- LOYALTY.** Clear yellow.
- *MISS BLOOMINGTON.** Best yellow for cut. Very early.
- MOTHER KADEL.** One of the best clear medium yellows. Fine placement and many flowers open on a tall straight spike.

LAVENDER BLUE AND PURPLE SHADES

- AVE MARIA.** Light blue, purple blotch.
- *BERTY SNOW.** Exhibition lavender.
- *BLUE BEAUTY.** One of the finest medium deep blues. Fine early commercial.
- *KING LEAR.** Magnificent purple of great size and lustrous sheen.
- *LAVENDER RUFFLES.** Very early clear pinkish lavender, somewhat ruffled.
- MAX REGER.** The best light lavender blue with deeper throat markings.
- *MINUET.** Orchid lavender.

*Indicates best varieties for forcing.

HYACINTHS

Top size, 19 ctm. up.	16-17 ctm.
18-19 ctm.	15-16 ctm.
17-18 ctm.	14-15 ctm. Miniature size.

Blue Shades

- BISMARCK**—Lighter than Grand Maitre.
- DR. LIEBER**—Deep blue.
- DR. STRESSEMAN**—Light blue, large spike.
- GRAND MAITRE**—Deep porcelain blue.
- KING OF THE BLUES**—Dark blue.
- MYOSOTIS**—Beautiful light blue.
- PERLE BRILLIANT**—Light blue, large spike.
- QUEEN OF THE BLUES**—Light blue.

Yellow Shades

- CITY OF HAARLEM**—Golden yellow.
- YELLOW HAMMER**—Deep yellow.

Red and Pink Shades

- GERTRUDE**—Deep rose.
- JAN BOS**—Fine scarlet early.
- LADY DERBY**—Flesh pink, good forcer.
- LA VICTOIRE**—Bright scarlet, forcer.
- MARCONI**—Bright red.
- QUEEN OF THE PINKS.** Deep pink.
- PINK PEARL.** Deep pink, early.

White Shades

- L'INNOCENCE**—Pure white, good forcer.

Violet Shades

- LORD BALFOUR**—Violet.
- All above at market price.

GRAPE HYACINTHS (Muscari)

	per 100	per 1000
ARMENIACUM. Large, clear blue	\$2.50	\$20.00
BOTRYOIDES ALBUS. White	3.00	25.00
HEAVENLY BLUE	2.50	20.00

WHITE ROMAN HYACINTHS (French Grown)

	per 100	per 1000
12/13 ctm.	\$12.00	\$110.00
13/14 ctm.	15.00	140.00

BLUE ROMAN HYACINTHS (French Grown)

	per 100	per 1000
13 up ctm.	\$6.50	\$55.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



LILY BULBS

PEERLESS

FLORIDA GROWN—(Certified Disease Free).

The best cut flower lily grown in U. S. A.

7/8 packed 200 per case.

8/10 packed 150 per case.



TRUE CROFT LILY

One of the finest lilies for Easter Pots. True strain Oregon grown.

7/8—250 bulbs

9/10—150 bulbs

8/9—200 bulbs

10 up—100 bulbs

ACE LILIES (Oregon Grown)

Similar type to estate or Kenyon Davis. Very fine for cut flowers or pot plants. Foliage more compact.

at Market Price

ESTATE LILIES (Oregon Grown)

Ideal for cut flowers for Spring and Summer blooming. Large flowers, very prolific, long stem. Selected bulbs available for planting October to April.

At Market Price.

KENYON DAVIS LILIES (Oregon Grown)

Excellent for cut flowers, croft type, good stem more prolific than croft. Flowers not quite as large—ideal size. Can be planted from cold storage until May 1st. Write for price.

Packing sizes on Ace, Kenyon Davis, and Estate Lilies, same as croft.

At Market Price.

CREOLE LILIES

At Market Price.

LILIUM HOWARDII (Bermuda Grown)

(Delivery September)

The best lily grown in Bermuda. Fine for cut or pot plants. Flowers 6 weeks earlier than Harrisii, if planted September 1st to the 15th they will flower January 15th to February 1st. We introduced Howardii in this country in 1936. They come packed.

6 to 7 (335 bulbs)

7 to 9 (200 bulbs)

8 to 10 (150 bulbs)

9 to 11 (100 bulbs)

At Market Price.

LILIUM HARRISII (Bermuda Grown)

(Delivery September)

An old timer still grown by many growers.

Packing the same as Howardii.

At Market Price.

LILIUM SPECIOSUM RUBRUM

(Delivery October to November)

Sizes 7/8", 8/9", 9/11"— at market price.

LILIUM SPECIOSUM ALBUM

(Delivery October to November)

Sizes same as Rubrum. Market price.

LILIUM CANDIDUM (French Grown)

Write for prices and sizes.

REGALE LILY BULBS

	per 100	per 1000
5 to 6"	\$9.00	\$ 75.00
6 to 7"	11.00	90.00
7 to 8"	14.00	125.00
8 to 9"	19.00	160.00
9 to 10"	25.00	225.00
10 to 11"	36.00	200.00

CALLAS LILIES (ELLIOTTIANA) YELLOW

	per 100	per 1000
2 to 2½"	\$16.00	\$150.00
2½ to 3"	27.00	250.00
3" up	40.00	370.00

CALLAS AETHIOPICA—White

	per 100	per 1000
1¼ to 1½"	\$11.00	\$ 90.00
1½ to 2"	23.00	210.00
2 to 2½"	35.00	300.00
2½ to 3"	45.00	400.00

CALLAS GODFREY — White

	per 100	per 1000
1½ to 1¾"	\$24.00	\$225.00
1¾ to 2"	30.00	290.00
2 to 2½"	40.00	

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



NARCISSUS BULBS

WEST COAST GROWN

VARIETY

	DN-1		DN-2 & RDS.	
	per 100	per 1000	per 100	per 1000
ALASNAM	\$11.00	\$100.00		
AEROLITE	12.00	110.00		
ACTEA	8.00	70.00		
CAMPERNELLE RUG	8.00	70.00		
CHEERFULNESS	8.50	75.00	\$7.00	\$60.00
CROESUS	9.50	85.00	7.00	60.00
DIANA KASNER	8.00	70.00	6.00	50.00
EMPEROR	9.50	85.00		
GOLD EAGLE	10.00	90.00	8.50	75.00
GOLDEN SCEPTRE	8.00	70.00		
HELIOS	9.50	85.00	7.50	65.00
KING ALFRED	11.00	100.00	8.50	75.00
MINISTER TALMA	10.00	90.00		
SASSENHEIM	9.50	85.00	7.50	65.00
SPRING GLORY	10.00	90.00		
SIR WATKIN	8.00	70.00		
THE FIRST	10.00	90.00		
TWINK	13.50	125.00		
TRESSERVE	10.00	90.00		
VAN SION	9.50	85.00		
MIXED—OUR CHOICE		60.00	5.50	52.00

HOLLAND GROWN

	DN-1	
	per 100	per 1000
KING ALFRED	\$10.00	\$ 90.00
EMPEROR	10.00	90.00
GOLDEN HARVEST	11.50	100.00
REMBRANDT	11.50	100.00
SPRING GLORY	10.00	90.00

NARCISSUS POLYANTHUS TYPE

CHINESE SACRED LILIES.

16/18 ctm.	\$7.00 per 100	\$62.00 per 1000
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NARCISSUS PAPER WHITE

(Delivery September)

	per case			
	100 bulbs	250 bulbs	500 bulbs	1250 bulbs
13/14 ctm.	\$4.00	\$ 9.00	\$17.75	\$43.50
14/15 ctm.	5.00	11.60	22.65	44.75
15/16 ctm.	5.50	13.50	26.50	47.00
16/up ctm.	6.25	15.35	30.40	45.00

NARCISSUS SOLIEL D'OR

Delivery October

	per 100	per 1000
14 to 15 ctm.	\$5.00	\$45.00
15 to 16 ctm.	6.00	55.00
16 to 17 ctm.	7.00	60.00

IRIS

WEST COAST GROWN

VARIETY	ALL PRICES PER 1000		
	8/9	9/10	10-up
WEDGEWOOD	\$20.00		
	6/7	7/8	8-up
HUCHTENBURG		\$32.50	\$50.00
IMPERATOR	\$18.00	30.00	42.50
J. DE WILDE		28.00	
J. DE WIT		28.00	42.00
WHITE EXCELSIOR		42.50	52.50

IRIS

DUTCH GROWN

	6/7	7/8	8/9	9/10	10/11
IMPERATOR		\$22.00	\$38.00		
WHITE EXCELSIOR	\$20.00	30.00	40.00		
YELLOW QUEEN	22.00	35.00			
GOLDEN HARVEST		32.00	40.00		
GOLDEN EMPEROR			45.00		
WEDGEWOOD				\$25.00	\$37.50
WHITE SUPERIOR		40.00	50.00		

ORNITHOGALUM ARABICUM

(Star of Bethlehem)

	per 100	per 1000
2 to 2 1/4"	\$5.00	\$45.00
2 1/4" up	6.00	50.00

OXALIS — Aug. to Oct. Delivery

BOWIEL. Rose pink.

BERMUDA BUTTERCUP. Yellow.

HERTA. Rose pink.

GRAND DUCHESS. Rose pink.

GRAND DUCHESS. Lavender.

	per 100	per 1000
	\$2.00	\$15.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



PEONIES — 3 to 5 Eye Divisions

Delivery Fall and Spring

4 Best Florist Varieties

EDULIS SUPERBA. Early rose pink.

FELIX CROUSSE. Ruby red, midseason.

FESTIVA MAXIMA. Best early white.

MONS. JULES ELIE. Early satin pink.

At Market Price

We can quote you on all other varieties.

RANUNCULUS BULBS

TECOLOTE GIANTS. By far the largest and most magnificent strain of Ranunculus ever offered to the trade. Flowers are very double, blended with semi-double. Centers are usually light green. September to April delivery.

MIXED COLORS

GOLDEN YELLOW

YELLOW SHADES

RED SHADES

PINK SHADES

ORANGE SHADES

WHITE SHADES

Sizes	per 100	per 1000
1/2 to 5/8"	\$2.75	\$22.50
5/8 to 3/4"	3.00	32.50
3/4 to 7/8"	4.50	40.00
7/8 to 1"	5.50	52.00
1" up	7.00	65.00

SPIREA CLUMPS

FOR FORCING

December Delivery

AMERICA. Lavender pink.

GLORIA SUPERBA. Reddish pink.

DEUTSCHLAND. Pink.

PEACH BLOSSOM.

GLADSTONE. White.

QUEEN ALEXANDRIA. Pink.

GLORIA. Deep pink—bushy.

RHINELAND. Bright crimson.

At Market Price

SCILLA SIBERICA BLUE

\$2.75 per 100

\$22.50 per 1000

SNOWDROPS (Galanthus)

\$3.50 per 100

\$30.00 per 1000

TUBEROSES

Delivery January and Later

SINGLE MEXICAN or **ALBINO WHITE.**

DWARF DOUBLE PEARL.

Top size 6 to 8 and No. 1 4 to 6.

Write for prices

TULIPS

HOLLAND GROWN

For prices on the following or any other variety, write us.

AFTERGLOW. Rosy orange, salmon edge.

BARTIGON. Crimson red, fine for pans or cut flower.

CAMPFIRE (Sport of Bartigon). A trifle darker than Allbright, very good.

GREUZE. A good violet purple Darwin, forces well and also good for garden.

LA TULIP NOIRE. Black.

ROSE COPELAND. Lilac rose.

WILLIAM PITT. Glowing red, good for forcing.

ZWANENBURG. Pure white.

COTTAGE

ALBINO. Pure white, early forcer.

CARRARA. Pure white, extra.

GOLDEN HARVEST. Very large, light yellow.

INGLESCOMBE YELLOW. Canary yellow with yellow anthers.

MOTHER'S DAY. Lemon-yellow.

MRS. MOON. Pure deep yellow.

MRS. JOHN SCHEEPERS. Light canary yellow.

ROSABELLA. Deep rose with light edges.

WALL ST. Lemon-yellow forcer.

SINGLE EARLY

COULEUR DE CARDINAL. Scarlet.

GENERAL DE WET. Yellow flushed orange.

KEIZERSKROON. Red and yellow.

WHITE HAWK. Very fine pure white.

DOUBLE EARLY

BOULE DE NEIGE. Pure white.

COURONNE D'OR. Yellow tinged orange.

ELECTRA. Deep cherry red.

MR. VAN DER HOEF. Pure yellow.

PEACHBLOSSOM. Brilliant rosy pink.

TRIUMPHATOR. Deep pink.

VUURBAAK. Scarlet.

PARROT

FANTASY. Rose.



INSECTICIDES and FUNGICIDES

ACCOTOX (Cytos). 50% "DDT" wettable powder for control of rose chafers, leaf hoppers, flea beetles, aphids, cabbage worms, codling moth, tent, caterpillars, etc. Easy to use.
4 lb. bags.....\$.75 lb. Case48 lbs. \$30.00

ARBORTOX. With "DDT" and Pyrethrum. A contact and stomach insecticide for Greenhouse control of Red Spider, Thrips, White Fly, Leaf Roller, Rose Midge, Mum Midge, Green Fly.
Gal.\$17.50 5 Gal.\$78.75

ARSENATE OF LEAD. The standard spray or dust for quick, dependable control of practically all leaf-eating (not sucking) insects.
1 lb. carton.....39c 4 lb. bag.....75c 100 lbs.....\$13.50

AZOFUME 45. In CANDLE FORM for fumigating greenhouses for control of red spider, cyclamen mites and other mites found on Roses, Carnations, Mums, Callas, Cinerarias, Geraniums, Coleus, etc. Use at the rate of 1 lb. (four candles) to 25,000 cubic feet of greenhouse space.
Price per carton of 24 candles\$10.80
Per case of 4 cartons (96 candles)43.20

AZOFUME 70. (Azobenzene.) Kills red spider on roses including eggs. 1 lb. fumigates 40,000 cu. ft. Apply like sulphur on cold steam pipes. Turn on the heat to vaporize. No more syringing, no more black spot or spider.
5 lbs.\$10.00 25 lbs.\$37.50
10 lbs.17.50 50 lbs.62.50
100 lbs.\$100.00

AZOFUME 100. (Crystals.) For vaporizing with lamps or hot plates for control of red spider. Use one lamp or hot plate for each 7,000 cubic feet, vaporizing 2 oz. Azofume 100 crystals over a period 2 to 3 hours.
5 lbs.\$13.00 25 lbs.\$48.75
10 lbs.23.00 50 lbs.82.50

BLACK ARROW. A non-poisonous pyrethrum dust, effective against many insects.
10 lbs.\$4.00 50 lbs.\$16.75 100 lbs.\$32.00

BLACK LEAF 40. A concentrated solution of nicotine sulphate. An excellent spray for aphids and sucking insects of all kinds.
1 lb.\$2.25 5 lbs.\$ 5.85
2 lbs.3.25 10 lbs.\$10.60

BORDEAUX MIXTURE (Powder). Controls all fungus diseases. Can be used either for dusting or as wet spray.
4 lbs.65c

COPPER SOLUTION. For rust, blight, mildew, and most leaf diseases.
Qt.\$1.50 Gal.\$4.60

CERESAN. (New Improved.) For seed treatment.
1 lb.80c 4 lbs.\$2.70 25 lbs.....\$15.00

CORROSIVE SUBLIMATE. Calomel, Calogreen, Calochlor, and other mercurials. Due to fluctuating market, write for prices.

CYANO GAS "A" GRADE. For moles, rats, gophers, and other rodents. 1 lb., doz., \$6.00; 5 lbs., each, \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00; 4-oz. tins for ants, doz., \$2.40.

CYANO GAS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00. Write for leaflet; freight prepaid on 100-lb. lots.

D. N. SULPHUR DUST No. 10. A new and very effective control for red spider, thrips, and rust diseases on carnations. 10-lb. bag, \$3.50; case of 5 bags, 50 lbs., for \$12.50.

D. N. DUST No. 12. For control of red spider, mite and thrips on roses, calla lilies, snapdragons, gardenias and carnations. The active element in D. N. Dust No. 12 is a dinitro compound effective in all stages of mite development. Should be used before blooming period. Per 10-lb. bag, \$4.50; case of 5 10-lb. bags, \$20.00.

DOWFUME G. New rapid setting soil fumigant. Especially toxic to Nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days. No waiting for root galls to decay. Permits one bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 10 gal. drum, weight 113 lbs., 25c per lb.; 55 gal. drum, weight 597 lbs., 20c per lb.; 55 gal. drum charge, \$6.00. Returnable for credit.

DOWSPRAY #17. Use to control red mite and thrips on Roses, Carnations, Azaleas, Hydrangeas, Gardenias, Snaps, etc.
Lb.\$3.00 5 lbs.\$14.50

DETEX. "DDT" spray, 25%. No spreader needed. Controls Thrips, Midge, Leaf Rollers, Mealy Bug, Leaf Tyers, Aphids, Leaf Hoppers, White Fly. Note: DDT not recommended for the control of Red Spider.
Gal.\$10.00 5 gal.\$45.00

DOWFUME G APPLICATORS. Highly satisfactory hand applicators. Adjustable for varied dosages. Will give years of service. Two types—No. 45-F, height 28 in., each, \$20.00; Type 45-AF, height 42 in., price \$20.00.

EVERGREEN COMMERCIAL SPRAY.
Gal.\$12.60 5 gal.\$58.00 30 gal.\$297.00

FERMATE. Highly effective against many fungi and for control of certain plant diseases. Compatible with most insecticides. Your best bet for preventing cutting rot in the sand and damping off of seedlings.
3 lb. bags\$2.75 25 lb. drum\$18.75

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect bark.
Lb.40c doz.\$3.50 7½ lbs.\$2.35

FLOTE
An efficient suspension agent to prevent settling of all powders mixed with water. Especially developed to use with hormone powders but equally effective with materials like FERMATE, DDT, wettable powders, arsenate of lead and the like.
1½ oz. jar\$.85 ea.

FUME TOBAC. Fumigating Powder, 25-lb. drum \$4.25; 50-lb. drum, \$8.00; 100-lb. drum, \$14.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.50.

GRASSELLI S. S. 3 COMBINED SPREADER AND STICKER. Designed especially for use with agricultural sprays. gal. \$6.00

FULEX. LIQUID #400. For Carnations—Keep your Carnations free from insect injury the easy and economical way. gal. \$12.00

FULEX #400 PASTE. For Red Spider control in Greenhouses. Use with Disc Evaporators, or brush on steam pipes. gal. \$12.00

FULEX #300 PASTE. For Rosesgal. \$12.00

FULEX LAMPS, \$2.25 each. FULEX DISC EVAPORATORS, \$1.50 each.

HORMO ROOT POWDERS
Formulated according to the latest findings in scientific tests. Protects your cuttings from fungus and bacterial rot while in the rooting medium and speeds up rooting, producing more and better roots. Now three strengths for better results.

HORMO ROOT A
For most soft wood florist items and the easier shrubs. Also excellent to treat seeds before sowing and tubers, bulbs and corms before planting.
2 oz. jar\$1.00
½ lb. jar2.75
1 lb. jar5.00

HORMO ROOT B
For more difficult items like Gardenia, Oleander and some of the easier evergreens.
2 oz. jar\$1.25
½ lb. jar3.50
1 lb. jar6.50

HORMO ROOT C
For most hard wood cuttings and difficult to root items.
2 oz. jar\$1.50
½ lb. jar4.50
1 lb. jar8.00

HORMODIN POWDER
Root Cuttings Faster—Better
No matter what plant you are growing from cuttings, you will have better results if you treat them with Hormodin.

Powder No. 1—Used on most soft wooded subjects grown by florists.
1¾ oz. tineach \$.50
Lb.3.00
Powder No. 2—For more difficult subjects.
1¾ oz. tin\$.75
Lb.4.50
Powder No. 3—Used for hard wooded and hard to root items.
1 oz. tin\$1.00
½ lb.4.50

Combination Package. Generous sample of all three strengths. together with full directions for use\$.75

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

**HEXA-TOX**

New spray containing 84% Hexaethyl Tetra Phosphate. Highly effective control for red spider, plant mites and other insect pests.
 6 oz. bottle (makes 100 gals.)\$2.00
 Cases of 12 bottles (6 oz. each)19.00

L 333. ROTENONE PLANT SPRAY. Gal., \$10.75; 5 gals for \$48.75.

LEMON OIL. Destroys mealy bug, scale, red spider. Pt., 60c; qt., \$1.00; gal. \$3.00.

LORO. Contact insecticide for controlling aphids, thrips, red spiders, etc. Pt., \$2.00; gal., \$11.00; 5 gals., \$45.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40% nicotine. Lb., \$2.60; 2 lbs., \$3.45; 8 lbs., \$12.55; 40 lbs., \$54.40.

NICO-FUME PRESSURE FUMIGATOR. Put up in 1/2-lb. and 1-lb. cans, powder is burned under pressure, giving better control of insects. The cans have a sparkler for lighting the powder. 1/2-lb. cans (carton of 12) \$4.80 per dozen; 1 lb. cans (carton of 12), \$8.35 per doz.

NO-PY-RO. The new synthetic insecticide for controlling aphids, mealy bug, green and white fly, etc. Per quart, \$3.00; gal., \$10.00; 5 gals., \$45.00.

NO. 10 REFINED ROSE SPECIAL. For roses and carnations. Kills high percentage of eggs, no discoloring of blooms. Per gal., \$10.00; 5 gals., \$45.00.

OPTOX. (Hitox.) Complete rotenone-pyrethrum spray, containing NNO as booster. It's safe to use on open blooms, non-poisonous. Gal.\$12.00 5 gal.\$52.50

OPTOX SPECIAL WITH 10% "DDT". It's tops. Contains rotenone with NNO as booster to control Red Spider, Aphids. Use 1:400. Contains pyrethrum with 10% DDT to control Leaf Rollers, Worms, Mealy Bugs, Thrips. Destroys MOST ALL INSECTS. Gal.\$12.00 5 gal.\$52.50

OPTOX 30% "DDT". Contains no mineral oil, no burns. Contains thirty per cent DDT. Controls many insects at 1:800 to 1:400. Has its own spreader. Solution will be effective long after spraying, because small crystals will be deposited on leaves which destroy insects by contact. gal. \$8.00

NAPHALENE FLAKES. Pure highly refined flakes.
 50 lbs.\$8.00 100 lbs.\$15.00

RED ARROW. A safe insecticide for use against sucking and chewing insects.
 1 gal.\$12.60 5 gal.\$57.50

RED ARROW "SPECIAL". (Pyrethrum.)
 1 gal.\$14.50 5 gal.\$67.50

SELOCIDE. Kills Red Spider. Freight deductions on 100 lbs.
 Gal.\$3.00

SLUG SHOT. All purpose, safe dusting insecticide against all leaf eating insects, cabbage and currant worms, rose slugs, etc.
 25 lbs.\$5.50 50 lbs.\$10.50

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. 12 ozs. \$2.00

SNAROL With Metaldehyde. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 6 lbs. \$1.50

SODIUM SELENATE—Pure

The new insecticide that makes plants bite back and destroy many of the insects that hurt them. When applied to the soil in water solution, it is absorbed by the plants, making them poisonous to most insects. Especially effective with soft plants like carnations, chrysanthemums, cyclamens, gladioli, etc.

100 grams\$1.50 1 lb.\$4.00 25 lbs. \$87.50

P. 40 (2% SODIUM WITH SUPERPHOSPHATE).

Recommended amount to apply is 3 lb. per 100 square feet, which is equivalent to 1/4 gram of Sodium Selenate per sq. ft.

25 lbs.\$ 4.25
 50 lbs.8.00
 100 lbs.15.00
 500 lbs.70.00
 1000 lbs.130.00

LARVA-TOX 90-10 (Ethylene Dibromide-Ethylene Dichloride)

A new material that meets government Japanese Beetle Quarantine requirements for treating bare rooted woody stock by the dip method, between October 1 and May 15. More economical than washing.

It has been found excellent to control nematodes and when mixed with DeDeTox, one gallon of each, will make 500 gallons of solution that will treat 500 sq. yards of bench for effective control of wire worms, sow bugs and garden centipedes.

Pint bottle (makes 42 1/2 gal.)\$ 1.00 ea.
 Case of 1210.50
 1 gallon (makes 380 gal.)6.75
 5 gallons (makes 1897.5 gal.)33.00

LARVA TOX FORMULA No. 2 (Ethylene dichloride)

Primarily used in treating potted and balled plants (between October 1 and May 15) to obtain certification for shipment out of Japanese Beetle Area. May also be used to control peach borer. 1 gallon will make 201 gallons of solution.

Pint bottles\$.85
 Case of 127.50
 Gallons4.50
 5 gallons21.00

LARVA TOX 2% DDT DUST

Three pounds of this material treats one cubic yard of potting soil. When applied according to regulations, under supervision of an inspector of the U.S.D.A. it permits shipment of plants out of the Japanese Beetle area without further treatment.

Carton six 3 lb. containers\$6.00
 50- 200 lb. (50 lb. moisture resistant bags)......15 lb.
 250- 500 lb. (50 lb. moisture resistant bags)......14 lb.
 550-1450 lb. (50 lb. moisture resistant bags)......13 lb.
 1500-2000 lb. (50 lb. moisture resistant bags)......12 lb.
 2000 lbs.-over (50 lb. moisture resistant bags)......11 lb.

LARVA TOX 10% DDT DUST

Prepared for the certification treatment of beds, plots and acreage at the rate of 250 lbs. per acre. Excellent to clean up chinch bugs and grubs in lawns and putting greens. May also be used as a dust. Guaranteed free from inert clay diluents as recommended by the U.S.D.A. Packed 50 lb. moisture resistant paper bags.

50- 200 lbs.\$.24 per lb.
 250- 500 lbs.22 per lb.
 550- 950 lbs.20 per lb.
 1000-1450 lbs.18 1/2 per lb.
 1500-2000 lbs.18 per lb.
 2000 lbs. and over17 1/2 per lb.

TOBACCO DUST

Extra fine 2% nicotine. 100 lbs. \$4.00

TONACIDE

For years the best insecticide to kill thrip and other insects in the soil.

5 lbs.\$1.25 50 lbs.\$ 8.00
 25 lbs.5.00 100 lbs.15.00

TONACIDE WITH 2% DDT

25 lbs.\$5.50 50 lbs.\$8.50
 100 lbs.\$16.00

TOBACCO STEMS

100 to 500 lbs.\$1.50 per 100
 500 to 1000 lbs.1.35 per 100
 One ton or more\$25.00 per ton

VAPOTONE

Controls aphids and red spider.

Primarily for the control of aphids, and spider mites, it has proved effective against many leaf eating worms, beetles, leafhoppers, immature scale insects, thrips and other pests.

1 gal. bottles\$12.50

VIRID

A liquid spray for the correction of Chlorosis or yellowing of the foliage due to soil deficiencies. Especially valuable for Azaleas and Hydrangea. Pint will make 6 gallons of spray which should be sprayed on foliage and on soil near the roots.

Pint bottles\$2.50 each

VOLCK—New Ready Mix

An emulsified oil spray for nursery or greenhouse to control scale insects, spider mite and many other pests.

1 gal.\$2.25 5 gal.\$8.50

WOOD PRESERVATIVE

DE-K-PRUF for wood, green. Ideal for preserving benches, frames, markers, and other unpainted surfaces.

1 gallon — 2.90 net.
 5 gallon pail — \$2.70 per gal. less 25% discount.
 55 gallon drum — \$2.55 per gal. less 25% discount.
 Freight prepaid on orders for 12 or more gallons.

CUPRINOL. A special grade for dipping of flats and stakes.

5 gal. drum\$9.25 50 gal. drum\$87.50

CUPRINOL WOOD PRESERVATIVE. Stops rot around the greenhouse. One gallon covers and preserves approximately 400 sq. ft. of wood.

Per gallon.....\$2.90 5 gals.....\$14.00 50 gal. drum.....\$135.00

PURE SHEEP MANURE

Not to be confused with ordinary stockyard manure. Our customers have found this fertilizer very satisfactory. Highly recommended for Carnations and it is also safe and very good for general greenhouse use.

Prompt shipment, F.O.B. mill in Massachusetts in any quantity from one bag to a carload.

100 lbs.\$ 3.00
 500 lbs.12.50
 1000 lbs.22.50
 2000 lbs.40.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

ELECTRA

HIGHLY ORGANIC (5-10-3)

FAST

SAFE

COMPLETE

America's Finest Plant Food For Pot Plants

100 lbs. — \$6.75 F.O.B. Lynn, Mass. and New York.

ELECTRA

ACID PLANT FOOD

(6-15-4)

A complete food for Gardenias, Azaleas, Heather, Rhododendrons, and other plants requiring acid foods F.O.B. Lynn, Mass. and New York.

100 lbs. — \$6.75

Also full line of the following items at market prices.

BONEMEAL

DRIED BLOOD

HORN MEAL

HORN SHAVINGS

LEAFMOLD

HARDWOOD ASHES

SCOTCH TYPE SOOT

BAMBOO CANES

Dyed green in bales of 2000 in the following sizes:

1½', 2', 2½', 3', 3½', 4', 5' and 6'.

SPLIT BAMBOO CANES

Dyed green in bales of 5000 and 10000.

12", 18" and 24" long.

CHINESE HEAVY TONKINS

Natural Color

Of even diameter throughout. Can withstand weather conditions and the dampness of the soil better than wood. They are stronger and better in appearance than the wooden stakes and much cheaper. They are replacing the wooden stakes especially for outdoor staking of plants like Dahlias, Tomatoes, etc.

GARDEN LABELS

8 in., 7/8 in. wide
10 in., 7/8 in. wide
12 in., 1 1/8 in. wide

PAINTED POT LABELS

4 in. 6 in.
5 in. 8 in.

TREE LABELS

3½ in. COPPER WIRE

VERMICULITE

Available in three grades.

FINE—For seeds and seedlings.

MEDIUM—For rooted cuttings.

COURSE—For general bench use.

Packed in bags 4 cubic feet @ \$2.95 per bag.

TWIST-EMS'

TWIST-EMS' are dark green, strong tapes with wire reinforcing, making that perfect plant tie. Simply put around the stem and support and twist. 8 inch.

Per 1,000	\$ 1.75	Per 25,000	\$ 39.50
Per 5,000	8.50	Per 50,000	73.75
Per 10,000	16.00	Per 100,000	140.00

ON LARGER QUANTITIES, PLEASE WRITE FOR PRICES.

GREENHOUSE SPRAYER

PARAGON No. 3

Economical

Durable • Efficient

Capacity: 12 Gals.

Truck: 2 wheel (maximum width 19 in.). Or, if you prefer 1 wheel (maximum width, 15 in.).

Equipment: 10 ft. Special Spray Hose, 7½ ft. spray pipe in three sections. 1 steel spray nozzle for whitewash, etc. 1 Brass Mist Spray Nozzle. 1 Brass Straight Spray Nozzle.

Shipping weight, 60 lbs.

Capacity: 12 Gals.

Truck: 2 wheel (maximum width 19 in.). Or; if you prefer 1 wheel maximum width, 15 in.).

Equipment: 10 ft. Special Spray Hose, 7½ ft. spray pipe in three sections. 1 steel spray nozzle for whitewash, etc. 1 Brass Mist Spray Nozzle. 1 Brass Straight Spray Nozzle.

Shipping weight, 60 lbs.

Price — \$29.95 F.O.B. Harrison, Ohio

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

STAPLE ITEMS FOR THE GROWER

BIRD'S NEPONSET FLOWER POTS

AND PLANT BANDS

Sold in units of 1000 only
Price List and sizes in inches

	2"	2 1/4"	2 1/2"	3"	3 1/2"	4"	5"	6"
GREEN	9.65	9.80	10.50	12.10	16.35	19.25	26.40	34.15
RED	6.00	6.00	6.10	6.85	9.15	10.40	13.30	16.90

	1 1/2 x 1 1/2 x 2 1/2	1 3/4 x 1 3/4 x 2 1/2	2 x 2 x 2 1/2	2 x 2 x 3	2 1/2 x 2 1/2 x 3	3 x 3 x 3	3 x 3 x 4
VITA BAND 10	2.70	2.90	3.25	3.75	4.15	4.55	5.90
VITA BAND 40	.....	4.25	4.70	5.05	5.50	6.30	7.35

TOM THUMB FLAT AND PLANT BAND COMBINATIONS

Price List
Sold in units of
Combination with
"Vita-Band 40"
Plant Bands

Per 1000 Sets
Size #1 Size #2
78.30 85.00

Combination with
"Vita-Band 10"
Per 1000 Sets

Size #1 Size #2
62.40 67.85

TOM THUMB FLAT

Price List

Sold in units of
100 sets only

Size #1 Size #2
31.30 34.30

PUTTITAPE

EVER SOFT PUTTY on EVERLASTING LEAD TAPE
Please order in even boxes. Order 1 ft. of tape for each ft. of bar.
Permanent • Easily Applied • Ends Painting
Saves Upkeep • Lowers Cost • Roller free with each order
F.O.B. Pana, Ill.

125 ft. Box—1 1/2 inch width\$ 3.75
1000 ft.—1 1/2 inch width 30.00
We can supply 1 3/4 inch width in 100 ft. boxes only 3.25

PUTTIROPE

STAYS SOFT • SEALS ALL LEAKS

Either 1/4" or 3/16" diameter rope. Please indicate diameter.
500 ft. Box\$2.50 1000 ft. Box\$5.00
Price includes roller. F.O.B. Pana, Ill.

PLASTIC HOSE (Amber)

More durable than rubber—kink and crack proof. Sold with 5 year guarantee.

25 ft. length 5/8 in.\$ 6.00
50 ft length 5/8 in. 10.00
25 ft. length 3/4 in. 9.75
50 ft. length 3/4 in. 17.50
500 ft. length of 50 ft. 3/4 in. at \$15.00 per length

RUBBER HOSE

50 ft. 2 Braid 3/4" with brass couplings at \$26.60 per 100 ft.

KNIVES

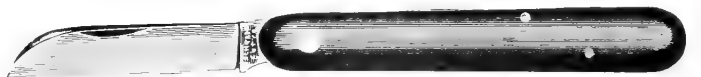
Finest grade American-made folding knives of razor steel, brass-lined.

Budding



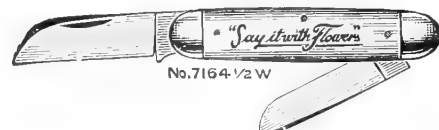
S1354 1/2 B—Single budding blade. Black handle.
Each \$3.00

Grafting



Single grafting blade. No. 451-W. White handle.
No. 451-B. Black handle. Each\$2.75

Two-Bladed



No. 7164 1/2 W. Each\$3.00

Utility

White handle, single blade, ring for chain.
No. 457 Each\$2.75

NURSERY PRUNING KNIFE

Heavy hooked blade, 3 1/4 inches long. Hardwood handle. 7 1/4 inches overall.
No. 455. Each\$2.75

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



Increase Your Sales by Selling



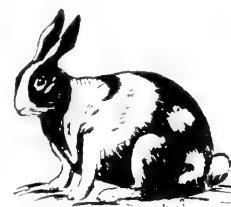
For Victory Gardens, Lawns, Flower Beds, Evergreens, Fruit Trees, etc.

TO-NA-CIDE is a valuable and well established insecticide, used for many years by growers in Greenhouses and Gardens for Gladiolus, Flowers, and Vegetables grown for the commercial market.

TO-NA-CIDE is used as a control for Thrips, Sow Bugs, Cut Worms, Slugs, Bean Beetle and many other insect pests.



TO-NA-CIDE will also keep away Rabbits, Dogs, and Cats from your Victory or Flower Gardens, Lawns, Evergreens and Fruit Trees, etc. Apply it for the protection of the plants against the annoyances of animal, such as discoloration of evergreens, soiling around shrubbery or digging around flower beds. If used as directed it cannot harm animals or vegetation.



TO-NA-CIDE is a powder which is very easy to apply. Just spread a little around the plants to cover the ground lightly and water it moderately. If plants or vegetables are planted in rows, spread a little TO-NA-CIDE on each side of the rows, about one or two inches away from the plants.

For Pot Plants or Plants in tubs or window boxes, apply a little on top of soil. You will then have less trouble with insects.

TO-NA-CIDE can be used every two or three weeks, if necessary. In case of heavy rains which will in all probability wash away the effectiveness of TO-NA-CIDE, it is advisable to repeat the procedure.

TO-NA-CIDE should never be used on the plants or foliage. Always apply it on the soil around the plants.

Don't use TO-NA-CIDE on a windy day as the powder will blow away. Always apply it on a calm day.

For the past 16 years TO-NA-CIDE was sold exclusively to the Commercial Trade. Its usefulness has been proven by the constant repeat orders and unsolicited testimonials. TO-NA-CIDE is now packaged for the retail trade in 5 lb. bags.

RETAIL PRICE: 5 lbs. \$1.50

Write us for distributors prices.

ORDER FORM

Date _____

CHRYSANTHEMUM ROOTED CUTTINGS AVAILABLE—1948

To: **Roman J. Irwin, Inc.**
 38 West 27th Street
 New York 1, N. Y.
 Telephone
 MUrray Hill 4-2444

Ship To: _____

When Wanted

Ship Via:

To serve you best, it is necessary that we have your order at least a month in advance of requested delivery date, although often it is possible to make shipment on short notice.

Where we are unable to ship very close to the requested delivery date we will advise you of our growers best estimate of delivery. We suggest you advise whether substitutions will be acceptable when giving the order.

DISCLAIMER

We make no warranty, expressed or implied, as to kind, description, quality or productiveness of any stock and we will not be responsible for crop.

We will not be responsible for any errors or omissions and in no event shall our liability for any claim of loss or damage due to any cause whatsoever be greater than the invoice value of the merchandise. This order, if accepted, is subject to pro-rata delivery if conditions in our sole judgment justify it, either on account of short crop, prior sale or for any other reason. We will not be responsible for delays, damages or loss in transit. Our liability ceases upon delivery to the common carrier. All orders subject to acceptance by home office.

Quan.	Variety	Price per 1,000	Quan.	Variety	Price per 1,000	Quan.	Variety	Price per 1,000	Quan.	Variety	Price per 1,000
.....	Adelaide	47.50	.....	Fire Bird	45.00	.....	Mrs. Bulkeley	45.00	.....	Spellbound	80.00
.....	Albatross	42.50	.....	Freida	40.00	.....	Mrs. Du Pont	40.00	.....	Sunglow	40.00
.....	Allegro	60.00	.....	Garnet King	50.00	.....	Mrs. Kidder	40.00	.....	Sun Gold	42.50
.....	Ambassador	42.50	.....	Garza Supreme	47.50	.....	Mrs. Roy	47.50	.....	Sunnyside	50.00
.....	Anemone Valencia	80.00	.....	Gladys Pearson	37.50	.....	Norma	37.50	.....	Sunray	37.50
.....	Apricot Valencia	40.00	.....	Gold Coast	60.00	.....	Nuggets	37.50	.....	Susanne Miller	37.50
.....	Arcadia	40.00	.....	Golden Glory	42.50	.....	Oak Leaf	37.50	.....	Sylvanna	40.00
.....	Avalanche	42.50	.....	Golden Herald	42.50	.....	October Bronze	47.50	.....	Tally-Ho	80.00
.....	Aviator	60.00	.....	Golden Jane	40.00	.....	October Pink	47.50	.....	Thanksgiving Pink	37.50
.....	Barcarole	50.00	.....	Golden Mistletoe	40.00	.....	October Rose	40.00	.....	The Titan	40.00
.....	Beautiful Lady	40.00	.....	Golden October	47.50	.....	Orchid Beauty	37.50	.....	Thyra	40.00
.....	Bittersweet	50.00	.....	Golden Pearson	37.50	.....	Orchid Queen	50.00	.....	Uneeda	37.50
.....	Blanche	42.50	.....	Granite State	60.00	.....	Pearl	37.50	.....	Usona	50.00
.....	Bonnaffon Deluxe	37.50	.....	Gypsy	37.50	.....	Pink Chief	42.50	.....	Valencia	37.50
.....	Brocade	70.00	.....	Hasegawa Pink	37.50	.....	Pink Dot	40.00	.....	Vesper	50.00
.....	Br. Buckingham	42.50	.....	Helen Frick	45.00	.....	Pink Mistletoe	40.00	.....	Vibrant	42.50
.....	Br. Bulkeley	45.00	.....	Hilda Bergen	42.50	.....	Pink Pearl	47.50	.....	White Anemone	45.00
.....	Br. Frick	50.00	.....	Honeycomb	80.00	.....	Pk. Treasure Is.	50.00	.....	W. H. Buckingham	42.50
.....	Br. Masterpiece	37.50	.....	Imp. Honey Dew	42.50	.....	Pinocchio	60.00	.....	White Doty	40.00
.....	Br. Mistletoe	40.00	.....	Imp. Tobin's Yel.	42.50	.....	Pixie	40.00	.....	White Freida	40.00
.....	Br. Orchid Queen	50.00	.....	Ind. Bronze	45.00	.....	Princeton	42.50	.....	White Frick	50.00
.....	Burgundy	40.00	.....	Ind. Pink	45.00	.....	Priscilla	50.00	.....	White Jewell	40.00
.....	Cameo	42.50	.....	Ind. White	45.00	.....	Quaker Maid	37.50	.....	White Mensa	37.50
.....	Captain Cook	42.50	.....	Ind. Yellow	45.00	.....	Queen Of Pinks	37.50	.....	White Mistletoe	40.00
.....	Cardonia	37.50	.....	Indianola	42.50	.....	Rayonnante	45.00	.....	White Norma	37.50
.....	Carnelia	55.00	.....	Ivanhoe	60.00	.....	Red Daisy	47.50	.....	White Supreme	37.50
.....	Carolyn Yosick	70.00	.....	Jane	37.50	.....	Red Princeton	42.50	.....	White Yuletide	37.50
.....	Cassandra	42.50	.....	Jean Cumming	55.00	.....	Red Rolinda	37.50	.....	Wm. Turner	45.00
.....	Catherine	37.50	.....	Jean Elizabeth	50.00	.....	Red Rust	70.00	.....	Yel. Ambassador	42.50
.....	Celestra	40.00	.....	Jemima	45.00	.....	Red Velvet	40.00	.....	Yel. Arcadia	40.00
.....	Christina	40.00	.....	Jessie	40.00	.....	Richard Mandel	37.50	.....	Yel. Beauty	40.00
.....	Constellation	80.00	.....	Jewell	40.00	.....	Rodell Improved	37.50	.....	Yel. Bushnell	45.00
.....	Dk. Pk. Bulkeley	45.00	.....	J. W. Prince	37.50	.....	Roman Bronze	42.50	.....	Yel. Cameo	60.00
.....	Dk. Pk. Jewell	45.00	.....	King Midas	40.00	.....	Royal Queen	37.50	.....	Yel. Daisy	42.50
.....	Dk. Pk. Norma	37.50	.....	Lavender Lady	40.00	.....	Ruby Pompon	40.00	.....	Yel. Dot	40.00
.....	Dk. Pk. Orchid Qu'n	70.00	.....	Legal Tender	37.50	.....	Seafoam	40.00	.....	Yel. Fellow	45.00
.....	Dk. Pk. Supreme	37.50	.....	Lillian Doty	40.00	.....	Sea Gull	37.50	.....	Yel. Garza	47.50
.....	Dk. Pk. Valencia	37.50	.....	Little America	37.50	.....	Seneca	80.00	.....	Yel. Monument	40.00
.....	December Gold	45.00	.....	L. I. Beauty	37.50	.....	Serenity	80.00	.....	Yel. Queen	80.00
.....	Distinction	42.50	.....	Major Bowes	45.00	.....	Silver Ball	37.50	.....	Yel. Rolinda	37.50
.....	Early Bronze	47.50	.....	Marie DePetris	40.00	.....	Silver Sheen	37.50	.....	Yel. Sea Gull	37.50
.....	Early Wonder	37.50	.....	Masterpiece	37.50	.....	Sm. Early White	37.50	.....	Yellow Supreme	37.50
.....	Early Yellow	47.50	.....	Mefo	42.50	.....	Sm. Late White	42.50	.....	Yellow Turner	45.00
.....	Ed. Seidewitz	37.50	.....	Minong	37.50	.....	Snow White	37.50	.....	Yolanda	37.50
.....	Enchantress	37.50	.....	Monument	40.00						

Substitution will be accepted

Yes _____
 No _____

Important Information

NOTICE—We endeavor to send out the very best quality of bulbs, seeds, plants and cuttings, and do our utmost to assure you of stock true to name.

We recommend that shipments go by express, except very small shipments which can be readily mailed. Claims cannot be collected when cuttings are shipped through the mail, hence we recommend express, because a claim can be entered for damages through delay, etc. We mail small quantities only in cool weather as it is unsatisfactory to mail cuttings when the warm weather sets in.

CLAIMS FOR DAMAGES—You must enter a claim against the express company immediately. According to law the transportation companies are the agents of the buyer, and when goods are delivered to and accepted by such agencies the shipper's responsibility ceases. We will, however, gladly assist you in making your claim if you advise us.

TERMS

All bills are subject to 2 per cent discount within 10 days from invoice date. Sixty days net.

Shipments are forwarded by best carrier, in our judgment, at time of delivery, unless otherwise specified by customer.

First-class stock is carefully packed when shipment is made, and we hold good order receipt from the transportation company. Our responsibility ceases thereafter. If the stock reaches you in bad condition, notify agent and bring claim against the delivery company for damage by their negligence, as no allowance for this cause can or will be made by us.

Bulbs, whether shipped on arrival or placed in cold storage for later delivery, may be examined at time of arrival if desired, but no claims will be entertained at a later date. As to all items other than **bulbs**, claims must be made within five days after receipt or they cannot be recognized.

All items in this list are offered subject to crop deliveries and being unsold on receipt of order, and other conditions beyond our control, ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

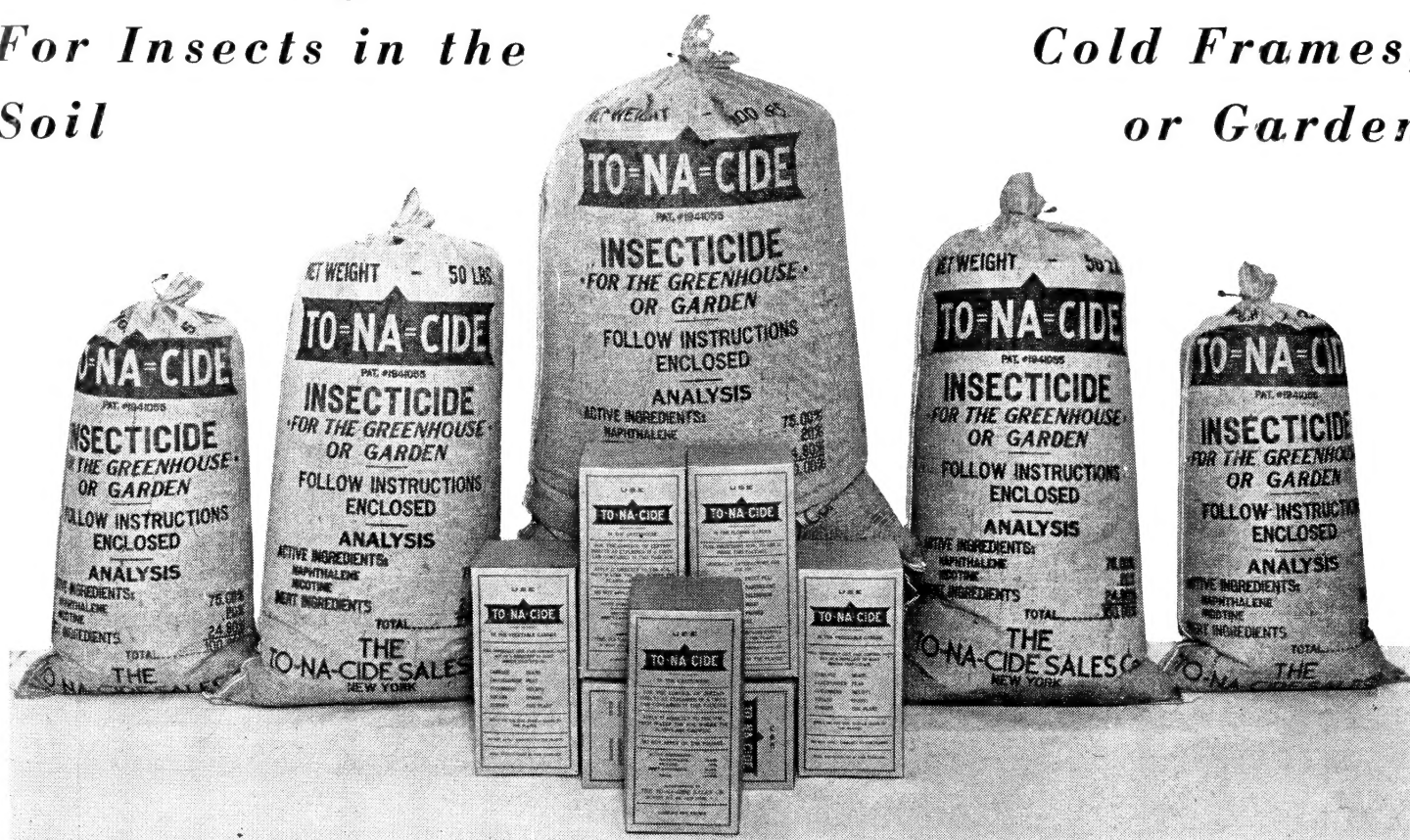
In the interest of time saving, we ask that you authorize us, when necessary to substitute with the nearest similar size or variety.

Note: Purchaser pays transportation on grass and vegetable seeds. We mail all flower seeds free to any point in the United States, at prices listed in this catalog.

New accounts desiring credit, please give three trade references.

*The Leading Insecticide
For Insects in the
Soil*

*For Greenhouse,
Cold Frames,
or Garden*



To-na-cide has for years been the leading insecticide for insects in the soil. It is in powdered form and is used by sprinkling around the plants either in pots or in benches. After applying, it is then left overnight and watered into the soil or lightly pulverized.

To-na-cide is also specially recommended for use on soil being prepared for a planting of any kind thus insuring its being free of insects before the plants or seeds are actually put in.

For the curing of bulbs and tubers such as: Gladioli, Dahlias, Narcissus, Iris, a dusting of To-na-cide is recommended for keeping them free of insects while in storage.

1 lb. covers 60 square feet
25 lbs. covers 1,600 square feet
100 lbs. covers 6,000 square feet

Use on your Mums, Carnations, Gladiolus, Roses, Snaps, Delphiniums, Asters and other plants. Complete directions furnished with each order.

5 lbs.	\$1.25	50 lbs.	\$ 8.00
25 lbs.	5.00	100 lbs.	15.00

LESS 2% FOR CASH WITH ORDER.
F. O. B. NEW YORK

Roman J. Irwin, Inc.
38 West 27th Street
New York 1, N. Y.
Telephone
Murray Hill 4-2444

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